

STIC Search Report

EIC 1700

STIC Database Tracking Number 125168

TO: Hoa V Le
Location:
Art Unit : 1752
June 30, 2004

Case Serial Number: 10/658607

From: Barba Koroma
Location: EIC 1700
REM EO4 A30
Phone: 571 272 2546

barba.koroma@uspto.gov

Search Notes

Examiner Le,
Please find attached results of the search you requested. Various components of the invention as spelt out in the claims and search request form were searched in REGISTRY and CAPLUS databases.

For your convenience, titles of hits are listed to help you peruse them quickly, followed by a detailed printout of records.

Please let me know if you have any questions.
Thanks.



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC1700 REMSEN 4B28



Access DB# 125168**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: HOA VAN LE Examiner #: 60626 Date: 21 June 2004
Art Unit: 1752 Phone Number 301-571-272-1332 Serial Number: 10/658,607
Mail Box and Bldg/Room Location: REA 9d61 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): Please see the attachment

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

*please search compounds of types 1-4
for use in a photographic material (element)
Thank you.*

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

=> file reg

FILE 'REGISTRY' ENTERED AT 17:58:27 ON 30 JUN 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 JUN 2004 HIGHEST RN 701199-61-3

DICTIONARY FILE UPDATES: 29 JUN 2004 HIGHEST RN 701199-61-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file caplus

FILE 'CAPLUS' ENTERED AT 17:58:30 ON 30 JUN 2004

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FILE COVERS 1907 - 30 Jun 2004 VOL 141 ISS 1

FILE LAST UPDATED: 29 Jun 2004 (20040629/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L3 25331 SEA FILE=CAPLUS ABB=ON PLU=ON PHOTO?(5A) (SILVER HALIDE OR AG(2A)H)

L4 SEL PLU=ON L3 1- RN : 50470 TERMS (TERM LIMIT EXCEED

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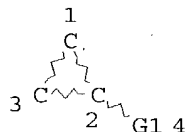
ED)
L5      SEL  PLU=ON  L4 10309-20000 RN :    9692 TERMS
L6      SEL  PLU=ON  L5 1-3000 RN :    3000 TERMS
L7      SEL  PLU=ON  L3 1- RN :    8592 TERMS (SELECT ENDED BY U
SER)
L10     SEL  PLU=ON  L3 10000-20000 RN :    49518 TERMS
L11     SEL  PLU=ON  L3 20000-25000 RN :    23757 TERMS
L12     50469 SEA FILE=REGISTRY ABB=ON  PLU=ON  L4
L13     9692 SEA FILE=REGISTRY ABB=ON  PLU=ON  L5
L14     23740 SEA FILE=REGISTRY ABB=ON  PLU=ON  L11
L15     49515 SEA FILE=REGISTRY ABB=ON  PLU=ON  L10
L16     3000 SEA FILE=REGISTRY ABB=ON  PLU=ON  L6
L17     8592 SEA FILE=REGISTRY ABB=ON  PLU=ON  L7
L18     11132 SEA FILE=REGISTRY ABB=ON  PLU=ON  L16 OR L17
L19     110823 SEA FILE=REGISTRY ABB=ON  PLU=ON  (L12 OR L13 OR L14 OR L15 OR
L16 OR L17 OR L18)
L20     STR
Cy 1

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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 1

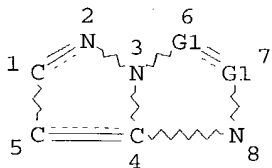
STEREO ATTRIBUTES: NONE
 L21 STR



VAR G1=C/N/O
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 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
 L22 STR



VAR G1=C/N

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE

L23 STR

G1 1 C=C C=C
@2 3 @4 5

VAR G1=2/4

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 5

STEREO ATTRIBUTES: NONE

L36 6901 SEA FILE=REGISTRY SUB=L19 SSS FUL (L20 OR L21 OR L23) AND L22
L37 2114 SEA FILE=CAPLUS ABB=ON PLU=ON L36
L38 164 SEA FILE=CAPLUS ABB=ON PLU=ON L37 AND PHOTSENSITIVE?(5A) (SIL
VER HALIDE OR AG(2A)H)
L39 27 SEA FILE=CAPLUS ABB=ON PLU=ON L38 AND DEVELOPER?
L40 27 SEA FILE=CAPLUS ABB=ON PLU=ON L39 AND PHOTO?

=> d ti 1-27

L40 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Color diffusion-transfer **photographic** materials giving images
with high chroma

L40 ANSWER 2 CF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Dispersion for silver halide **photographic** material, and color
proof made of same material

- L40 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide photographic**
photosensitive material using improved couplers
- L40 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Silver halide color **photographic** film comprising magenta coupler
- L40 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide** color **photosensitive** material
containing pyrazolotriazole derivative cyan coupler
- L40 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Heat development **silver halide** color
photosensitive material using novel magenta coupler
- L40 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide** color **photographic**
photosensitive material and image formation using the same
- L40 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Image formation method for silver halide **photography** using heat
development
- L40 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Color diffusion-transfer **silver halide**
photosensitive material and image formation using same
- L40 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide photographic**
photosensitive material and image formation using same
- L40 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Heat-developable color **photosensitive** material
- L40 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Method for color imaging by thermal development
- L40 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide** color **photosensitive** material
and method for manufacturing color filter using said material
- L40 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide** color **photographic**
photosensitive materials
- L40 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide** color **photographic**
photosensitive materials containing hydrazine derivatives as
reducing agents for color development
- L40 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI silver halide **photographic** material

L40 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Color reproduction-improved **silver halide**
photographic photosensitive material

L40 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Photosensitive material for silver halide**
photography

L40 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color negative photosensitive**
material

L40 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI Newly synthesized coupler-containing **silver halide**
photosensitive materials for color photography

L40 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive material

L40 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive materials

L40 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive material

L40 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive material

L40 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photosensitive materials**

L40 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive materials

L40 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Silver halide color photographic**
photosensitive materials

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L40 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:275099 CAPLUS
DOCUMENT NUMBER: 138:294840
TITLE: Color diffusion-transfer **photographic**
materials giving images with high chroma

INVENTOR(S): Fukagawa, Nobutaka; Ito, Takayuki
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 79 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003107645	A2	20030409	JP 2001-304322	20010928
PRIORITY APPLN. INFO.:			JP 2001-304322	20010928
OTHER SOURCE(S):		MARPAT 138:294840		
GI				

Q CNHNHZ

I

AB The materials comprise ≥ 2 **photosensitive silver halide** emulsion layers, in combination with diffusive dyes or nondiffusive dye image-forming compds., which form or release their precursors, and contain color developing agent which decreases the pH of the **photosensitive** layer depending on the treatment period I (Z = carbamoyl, acyl, alkoxycarbonyl, aryloxycarbonyl, sulfonyl, sulfamoyl; Q = groups forming 5-7 membered unsatd. ring) and ≥ 1 of development inhibitor releasing agent A(TIME)nDI (A = coupler residue which dissocs. on coupling with oxidized form of developing agent; TIME = timing group; DI = development inhibitor; n = 0, 1, 2, 3) and development inhibitor releasing redox compound RED(TIME)tDI (RED = redox group residue which dissocs. (TIME)tDI after oxidation by oxidized form of developing agent and/or developing aid; t = 0, 1, 2, 3).

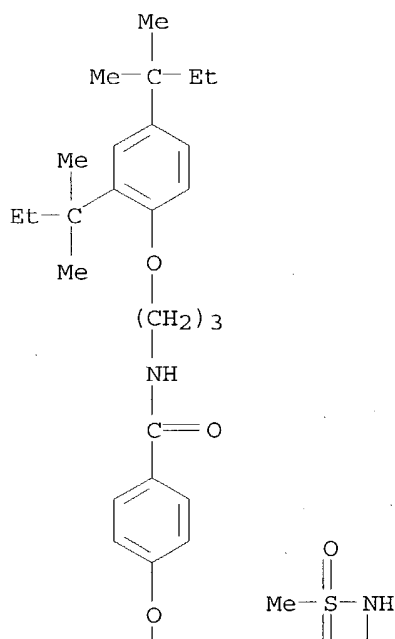
IT 443916-89-0

RL: TEM (Technical or engineered material use); USES (Uses)
 (color diffusion-transfer **photog.** materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)

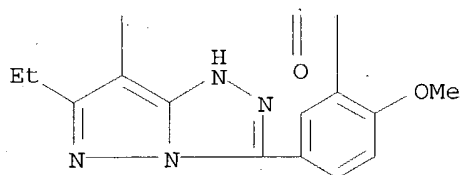
RN 443916-89-0 CAPLUS

CN Benzamide, N-[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]-4-[[6-ethyl-3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



- IC ICM G03C008-08
ICS C07C233-65; G03C008-42; G03C008-44; G03C008-50
- CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
- ST color diffusion transfer **photog** material; chroma high image color diffusion transfer **photog**; development inhibitor releasing agent **photog** material; timing agent DIR color diffusion transfer **photog**
- IT Diffusion-transfer **photographic** films
(color; color diffusion-transfer **photog**. materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)
- IT 301310-06-5P 307930-51-4P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(color diffusion-transfer **photog.** materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)

IT 156146-01-9P 171551-92-1P 301647-24-5P 301647-25-6P 301647-26-7P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (color diffusion-transfer **photog.** materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)

IT 75-36-5, Acetyl chloride 103-16-2, Hydroquinone monobenzyl ether 1141-88-4 13403-01-5 26272-90-2, Hexadecyl chloroformate 56278-50-3, 2-Benzothiazoleacetoneitrile
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (color diffusion-transfer **photog.** materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)

IT 121604-72-6 135377-54-7 443916-89-0 443916-90-3 443916-93-6 505048-33-9
 RL: TEM (Technical or engineered material use); USES (Uses)
 (color diffusion-transfer **photog.** materials containing cyclic hydrazine **developers** and development inhibitor releasing agents for high-chroma images)

L40 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:111375 CAPLUS

DOCUMENT NUMBER: 138:161016

TITLE: Dispersion for silver halide **photographic** material, and color proof made of same material

INVENTOR(S): Ishidai, Hiroshi; Ofuku, Koji; Okubo, Kimihiko

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 59 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003043647	A2	20030213	JP 2001-229397	20010730
PRIORITY APPLN. INFO.:			JP 2001-229397	20010730
OTHER SOURCE(S):			MARPAT 138:161016	

AB A silver halide **photog.** material comprises a non-**photosensitive** layer which contains a dispersion containing a hydroxyamide derivative $R_2C(:X)N(R_1)OH$ [R_1 = (substituted) C1-6 (cyclo)alkyl, aryl; R_2 = branched alkyl, linear or branched alkenyl, substituted alkyl, aryl; X = O, S] or an acylhydrazinobenzene derivative $R_4R_5NPhNHNCOR_3$ [R_3 , R_5 = H, substituent; R_4 = SO_2R_6 , COR_6 , $SO_2N(R_6)_2$, $CON(R_6)_2$, $PO(OR_6)_3$; R_6 = substituent] as an agent trapping excess **developer** oxidation products. The **photog.** material may contains an imidazotriazole derivative as a magenta- or cyan coupler in a **photosensitive** emulsion layer adjacent to the non-**photosensitive** layer. The

photog. material provides images with good color reproducibility and storage characteristics.

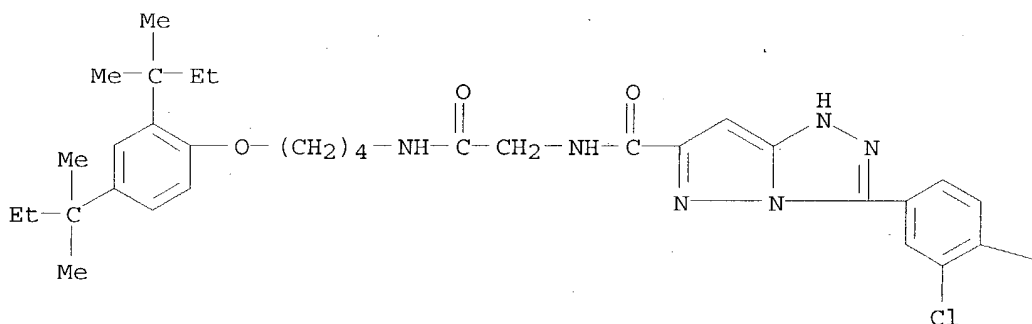
IT 199009-12-6 494870-39-2

RL: TEM (Technical or engineered material use); USES (Uses)
(cyan coupler; silver halide **photog.** material containing hydroxyamide or acylhydrazinobenzene derivative as agent for trapping excess oxidized **developer**, and color proof)

RN 199009-12-6 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[2-[[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]amino]-2-oxoethyl]-3-(3,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

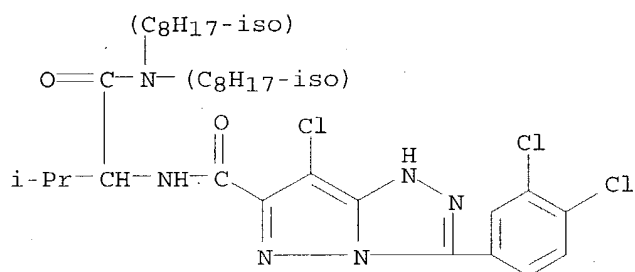


PAGE 1-B

Cl

RN 494870-39-2 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-(3,4-dichlorophenyl)-N-[1-[(diisooctylamino)carbonyl]-2-methylpropyl]- (9CI)
(CA INDEX NAME)

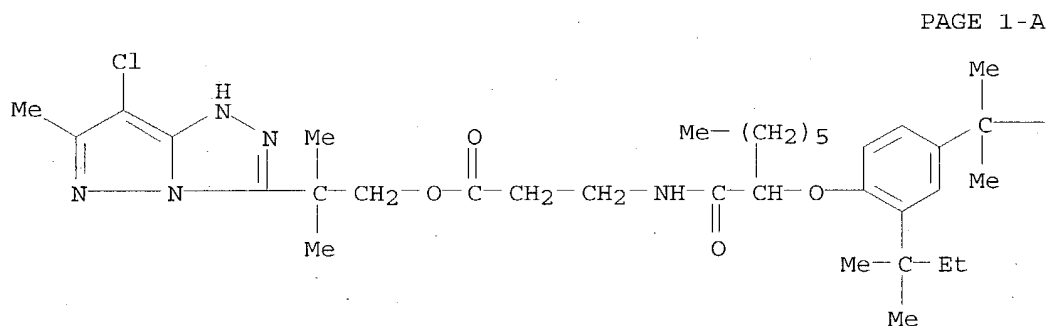


IT 219702-65-5

RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; nod me silver halide **photog.** material
containing hydroxyamide or acylhydrazinobenzene derivative as agent for
trapping excess oxidized **developer**, and color proof)

RN 219702-65-5 CAPLUS

CN β -Alanine, N-[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxooctyl]-,
2-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)-2-methylpropyl
ester (9CI) (CA INDEX NAME)



PAGE 1-A

PAGE 1-B

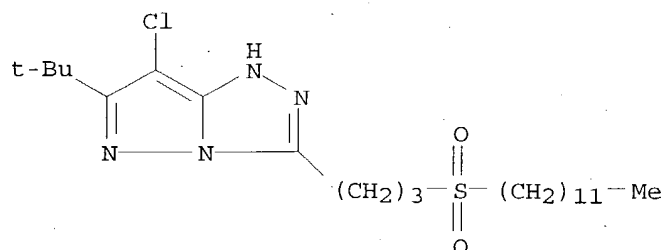
— Et

IT 124351-77-5 403518-50-3 494868-23-4

RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; silver halide **photog.** material containing
hydroxyamide or acylhydrazinobenzene derivative as agent for trapping
excess oxidized **developer**, and color proof)

RN 124351-77-5 CAPLUS

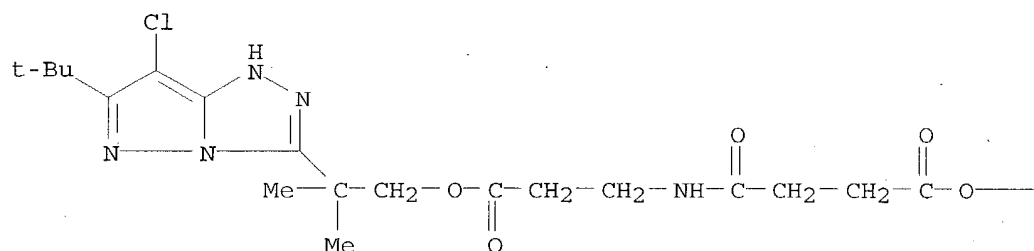
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-6-(1,1-dimethylethyl)-3-[3-(dodecylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



RN 403518-50-3 CAPLUS

CN Butanoic acid, 4-[[3-[2-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2-methylpropoxy]-3-oxopropyl]amino]-4-oxo-, decyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



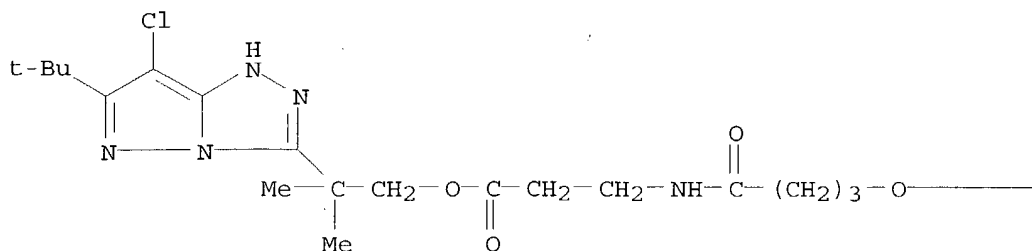
PAGE 1-B

— $(CH_2)_9-Me$

RN 494868-23-4 CAPLUS

CN β -Alanine, N-[4-(hexadecyloxy)-1-oxobutyl]-, 2-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2-methylpropyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

$$-(\text{CH}_2)_{15}-\text{Me}$$

IC ICM G03C007-392
ICS G03C007-38; G03C007-00

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST **photog** film hydroxyamide trapping **developer** oxidn product; acylhydrazinobenzene **photog** film trapping excess oxidized **developer**; silver halide **photog** film oxidized **developer** trapping agent; color proof **photog** oxidized **developer** trapping agent

IT Graphic arts
(color proof; silver halide **photog.** material containing hydroxyamide or acylhydrazinobenzene derivative as agent for trapping excess oxidized **developer**, and color proof)

IT Cyan couplers
Magenta couplers
Photographic films
(silver halide **photog.** material containing hydroxyamide or acylhydrazinobenzene derivative as agent for trapping excess oxidized **developer**, and color proof)

IT 78301-11-8 494868-18-7 494868-19-8 494868-20-1 494868-21-2
494868-22-3

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(color-mixing inhibitor in non-**photosensitive** layer;
silver halide photog. material containing hydroxyamide or acylhydrazinobenzene derivative as agent for trapping excess oxidized **developer**, and color proof)

IT 188745-52-0 199009-12-6 494870-39-2

RL: TEM (Technical or engineered material use); USES (Uses)
(cyan coupler; silver halide **photog.** material containing
hydroxyamide or acylhydrazinobenzene derivative as agent for trapping
excess oxidized **developer**, and color proof)

IT 219702-65-5

RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; nod me silver halide **photog.** material
containing hydroxyamide or acylhydrazinobenzene derivative as agent for
trapping excess oxidized **developer**, and color proof)

IT 124351-77-5 403518-50-3 494868-23-4

RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; silver halide **photog.** material containing
hydroxyamide or acylhydrazinobenzene derivative as agent for trapping
excess oxidized **developer**, and color proof)

L40 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:827802 CAPLUS

DOCUMENT NUMBER: 137:343834

TITLE: **Silver halide photographic**
photosensitive material using improved
couplers

INVENTOR(S): Sugino, Motoaki; Kato, Katsunori; Ishii, Fumio

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 69 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002318446	A2	20021031	JP 2001-124379	20010423
PRIORITY APPLN. INFO.:			JP 2001-124379	20010423
OTHER SOURCE(S):	MARPAT 137:343834			
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The material has a blue-sensitive Ag halide emulsion layer, a
green-sensitive Ag halide emulsion layer containing a magenta coupler I or II
(X1, X2 = H, halo; Y = H, halo, alkyl, aryl, cycloalkyl, heterocyclyl,
alkoxy, aryloxy; R1, R6 = H, substituent; L = NR3, O; R2, R3 = alkyl,
cycloalkyl, alkenyl, heterocyclyl, aryl; R4, R5 = H, alkyl; m = 1, 2; n =
0-4; m + n ≤ 4; p = 0-3), and a red-sensitive Ag halide emulsion
layer on a support, wherein (1) the red-sensitive layer contains a cyan
coupler III (R1' = alkyl, aryl, heterocyclyl; R2' = substituent; X1' = H,
releasable group in reaction with color **developer** oxide) or
3,4,6-(R22SO2JCONH)X(NHCOR21)C6H2OH (R21, R22 = alkyl, aryl; J = alkylene;

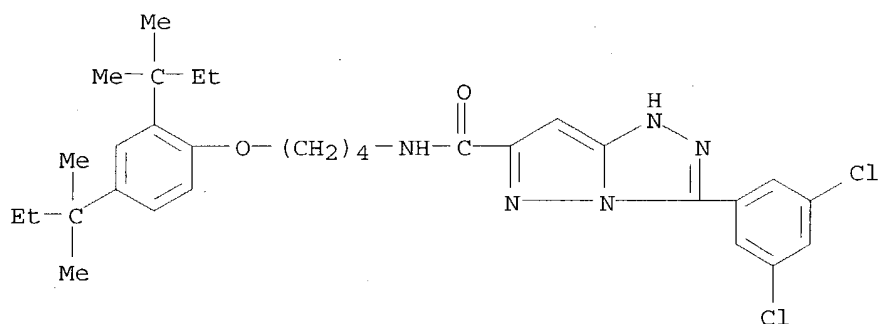
X = X1') or (2) the blue-sensitive layer contains a yellow coupler IV or V (RA-Rc = alkyl; RD = halo; YA = monovalent organic; n = 0, 1; RE, RF = H, alkyl), 3,4-(R41COCHX4CONH)(OR42)C6H3R43 (R41 = alkyl, arom; R42 = diffusion-resistant alkyl, arom; R43 = H, halo; X4 = 5- or 6-membered N-containing heterocyclyl releasable in coupling with **developer** oxide), or 1,2-(R5ACOX51CONH)(OR5B)C6H3-k(R5C)k(J5R5D) (R5A = alkyl, cycloalkyl; R5B = R5A, acyl, aryl; R5C = substituent; R5D = alkyl; J = NR5ECO, CONR5E; R5E = H, alkyl, aryl, heterocyclyl; X51 = releasable group in coupling with **developer** oxide; k = 0, 1). The material shows good color reproducibility, balanced fading, and rapid processability.

IT 180075-83-6 188342-85-0 403647-44-9
403647-45-0 403655-54-9 474022-39-4
474022-40-7 474022-42-9 474025-32-6

RL: TEM (Technical or engineered material use); USES (Uses)
(cyan coupler; **silver halide photog.**
photosensitive material using improved couplers)

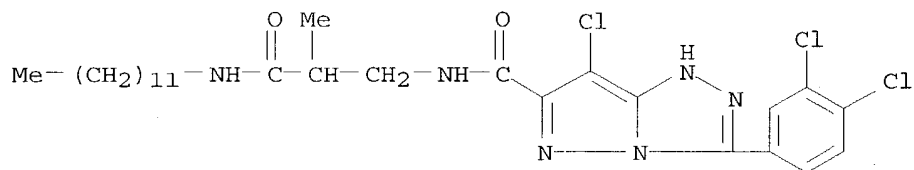
RN 180075-83-6 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]-3-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)



RN 188342-85-0 CAPLUS

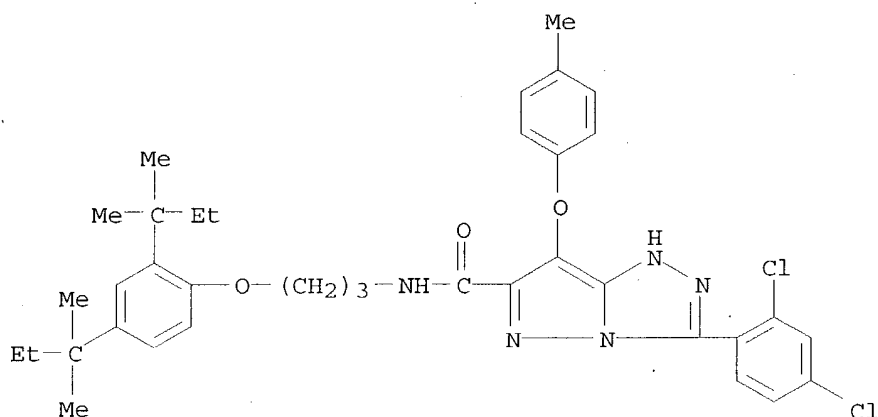
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-(3,4-dichlorophenyl)-N-[3-(dodecylamino)-2-methyl-3-oxopropyl]- (9CI) (CA INDEX NAME)



RN 403647-44-9 CAPLUS

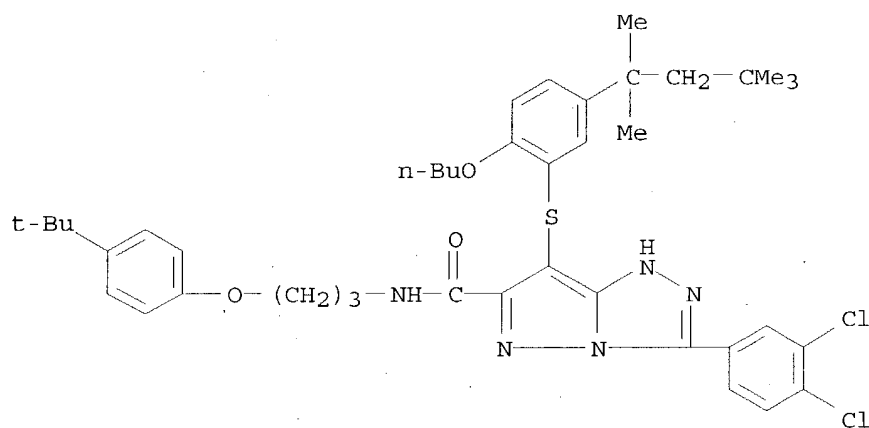
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]-3-(2,4-dichlorophenyl)-7-(4-methylphenoxy)-

(9CI) (CA INDEX NAME)



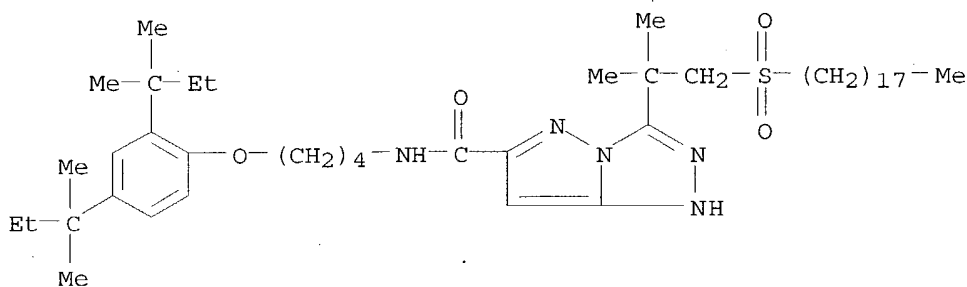
RN 403647-45-0 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-[[2-butoxy-5-(1,1,3,3-tetramethylbutyl)phenyl]thio]-3-(3,4-dichlorophenyl)-N-[3-[4-(1,1-dimethylethyl)phenoxy]propyl]- (9CI) (CA INDEX NAME)



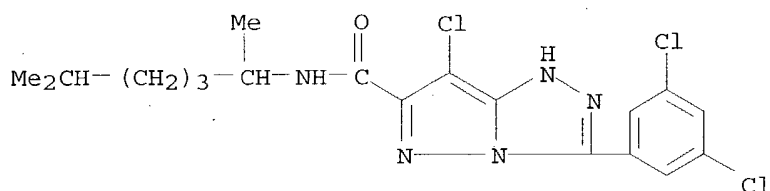
RN 403655-54-9 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[4-[2,4-bis(1,1-dimethylpropyl)phenoxy]butyl]-3-[1,1-dimethyl-2-(octadecylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



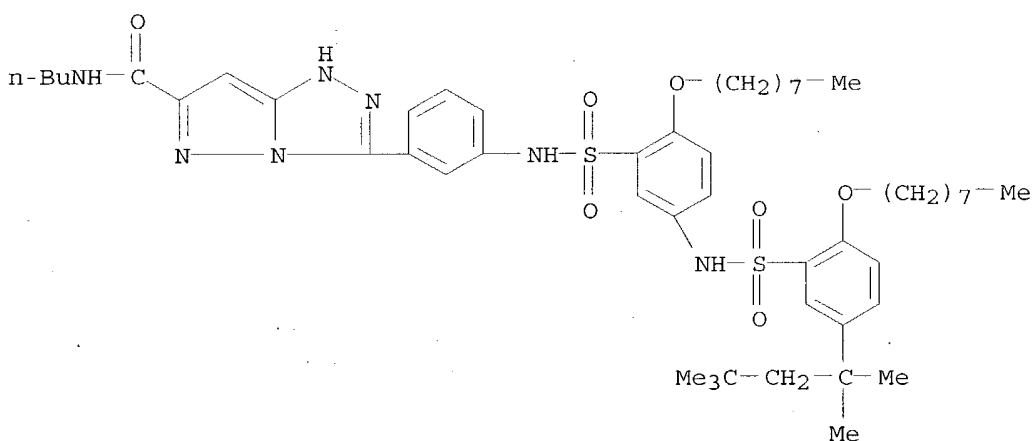
RN 474022-39-4 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-(3,5-dichlorophenyl)-N-(1,5-dimethylhexyl)- (9CI) (CA INDEX NAME)



RN 474022-40-7 CAPLUS

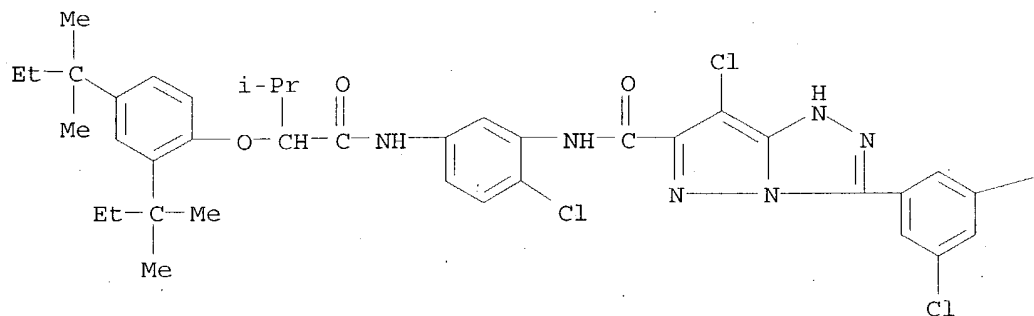
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-butyl-3-[3-[[[2-(octyloxy)-5-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]sulfonyl]amino]phenyl]- (9CI) (CA INDEX NAME)



RN 474022-42-9 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[5-[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-3-methyl-1-oxobutyl]amino]-2-chlorophenyl]-7-chloro-3-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

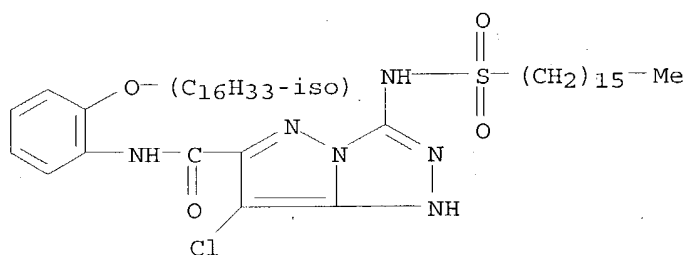
PAGE 1-A



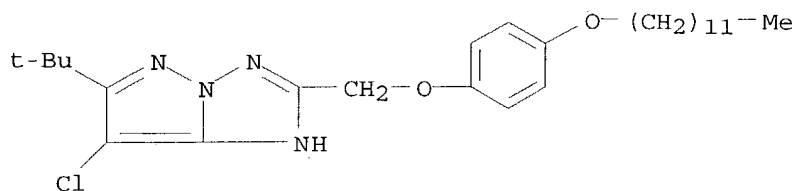
PAGE 1-B

Cl

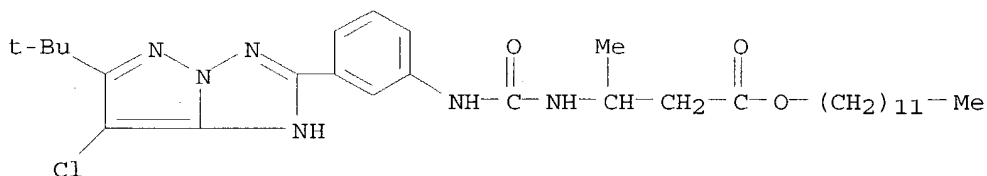
RN 474025-32-6 CAPLUS
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-
 [(hexadecylsulfonyl)amino]-N-[2-(isohexadecyloxy)phenyl]- (9CI) (CA INDEX
 NAME)



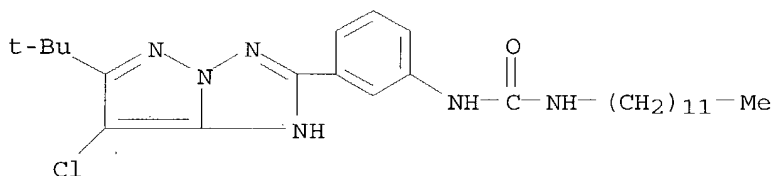
IT 400825-15-2P 474022-36-1P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (magenta coupler; **silver halide photog.**
photosensitive material using improved couplers)
 RN 400825-15-2 CAPLUS
 CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 7-chloro-6-(1,1-dimethylethyl)-2-[[4-
 (dodecyloxy)phenoxy]methyl]- (9CI) (CA INDEX NAME)



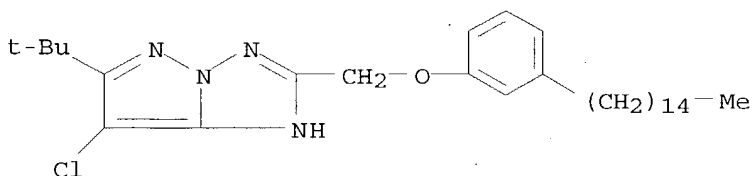
RN 474022-36-1 CAPLUS
 CN Butanoic acid, 3-[[[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]carbonyl]amino]-, dodecyl ester (9CI)
 (CA INDEX NAME)



IT 474022-35-0 474022-37-2
 RL: TEM (Technical or engineered material use); USES (Uses)
 (magenta coupler; **silver halide photog.**
photosensitive material using improved couplers)
 RN 474022-35-0 CAPLUS
 CN Urea, N-[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-N'-dodecyl- (9CI) (CA INDEX NAME)



RN 474022-37-2 CAPLUS
 CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 7-chloro-6-(1,1-dimethylethyl)-2-[(3-pentadecylphenoxy)methyl]- (9CI) (CA INDEX NAME)



IT 168639-33-6P 358350-63-7P 474022-48-5P

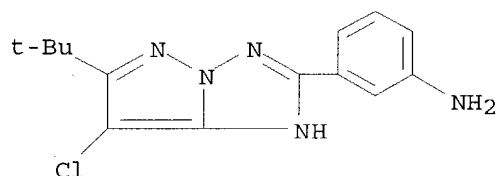
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(silver halide photog.

photosensitive material using improved couplers)

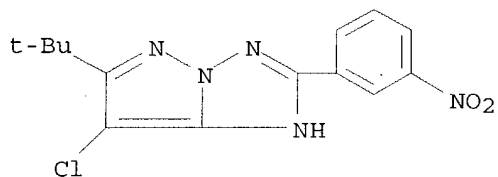
RN 168639-33-6 CAPLUS

CN Benzenamine, 3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]- (9CI) (CA INDEX NAME)



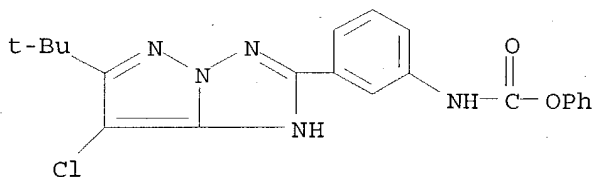
RN 358350-63-7 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 7-chloro-6-(1,1-dimethylethyl)-2-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 474022-48-5 CAPLUS

CN Carbamic acid, [3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-, phenyl ester (9CI) (CA INDEX NAME)



IC ICM G03C007-38

ICS G03C007-34; G03C007-36

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

Section cross-reference(s): 28

ST magenta coupler silver halide photog material; cyan coupler silver halide photog material; yellow coupler silver halide

photog material
IT Color **photographic** paper
Cyan couplers
Magenta couplers
Yellow couplers
(**silver halide photog.**
photosensitive material using improved couplers)
IT 180075-83-6 188342-85-0 289708-41-4 339562-70-8
339562-77-5 339562-78-6 339562-91-3 403647-44-9
403647-45-0 403647-49-4 403655-54-9
474022-39-4 474022-40-7 474022-41-8
474022-42-9 474022-43-0 474022-44-1 474025-32-6
RL: TEM (Technical or engineered material use); USES (Uses)
(cyan coupler; **silver halide photog.**
photosensitive material using improved couplers)
IT 400825-15-2P 474022-36-1P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(magenta coupler; **silver halide photog.**
photosensitive material using improved couplers)
IT 474022-35-0 474022-37-2
RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; **silver halide photog.**
photosensitive material using improved couplers)
IT 168639-33-6P 358350-61-5P 358350-62-6P 358350-63-7P
400825-27-6P 400825-29-8P 474022-48-5P 474022-49-6P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
(Reactant or reagent)
(**silver halide photog.**
photosensitive material using improved couplers)
IT 112-53-8, Dodecyl alcohol 541-48-0, 3-Aminobutyric acid 54316-43-7
110086-11-8 400825-26-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(**silver halide photog.**
photosensitive material using improved couplers)
IT 139908-86-4 142492-24-8 142492-31-7 144365-76-4 190247-10-0
207302-99-6 207303-01-3 208345-77-1 208345-81-7 247048-83-5
403647-50-7 403647-51-8 403647-53-0 403647-55-2 403647-56-3
403647-57-4 403647-59-6 474022-28-1 474022-29-2 474022-30-5
474022-31-6 474022-32-7 474022-33-8 474022-34-9
RL: TEM (Technical or engineered material use); USES (Uses)
(yellow coupler; **silver halide photog.**
photosensitive material using improved couplers)

L40 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:384912 CAPLUS

DOCUMENT NUMBER: 136:393187

TITLE: Silver halide color **photographic** film
comprising magenta coupler

INVENTOR(S): Mikoshiba, Hisashi; Shimura, Yoshio; Matsuda, Naoto

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: U.S., 62 pp., Cont.-in-part of U.S. Ser. No. 324,122.

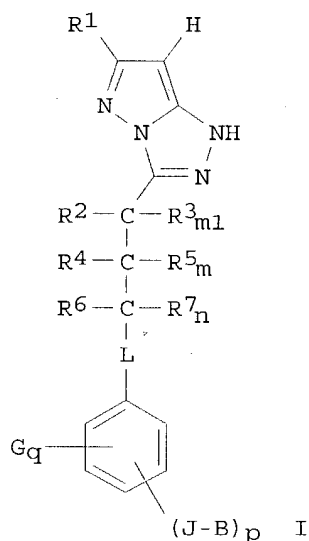
CODEN: USXXAM

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6391533	B1	20020521	US 2001-897043	20010703
US 2002081540	A1	20020627		
US 6159671	A	20001212	US 1998-172030	19981014
PRIORITY APPLN. INFO.:			US 1998-172030	A2 19981014
			US 1999-324122	A2 19990602
			JP 1997-296286	A 19971014

OTHER SOURCE(S): MARPAT 136:393187

GI



AB A silver halide color **photog.** film comprises each at least one blue-, green-, and red-sensitive emulsion layer on a support. The film contains a magenta coupler of the formula I ($R_1 = t\text{-alkyl}$; $m_1, m, n = 0-1$; $R_2-R_7 = H, \text{halogen, alkyl, aryl}$, $L = -NR_8SO_2-, -SO_2NR_8-, -SO_2NR_8CO-, -NR_8COO-, -NR_8CONR_9-, -COO-$; $R_8, R_9 = H, \text{alkyl, aryl}$; $J = -CO-, -COO-, -O-, -S-, -CONR_{10}-, -NR_{10}CO-, -NR_{10}COO-, -NR_{10}NR_{11}-, -SO_2-, -SO_2NR_{10}-, \text{or } -CONR_{10}SO_2-$; $R_{10}, R_{11} = H, \text{alkyl, aryl}$; $B = C_1\text{-}70\text{-alkyl, C}_6\text{-}70\text{-aryl}$; $p = 1-5$; $G = \text{halogen, alkyl, aryl, alkoxy}$; $q = 0-4$). The inventive **silver halide color photosensitive film** has good color reproduction, high image fastness and produces little stain, and has improved in the storage stability and resistance to composition variations

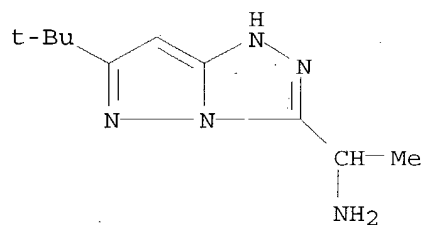
in developers.

IT 291543-58-3P 291543-59-4P 291543-63-0P
291543-65-2P 426265-96-5P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(in preparation of magenta coupler)

RN 291543-58-3 CAPLUS

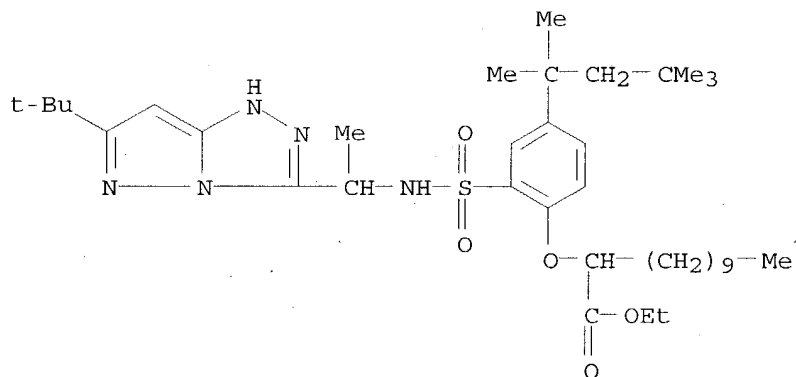
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-3-methanamine, 6-(1,1-dimethylethyl)- α -methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

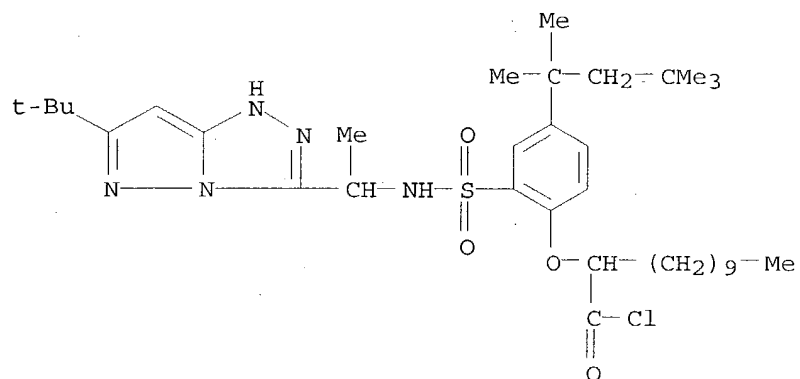
RN 291543-59-4 CAPLUS

CN Dodecanoic acid, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 291543-63-0 CAPLUS

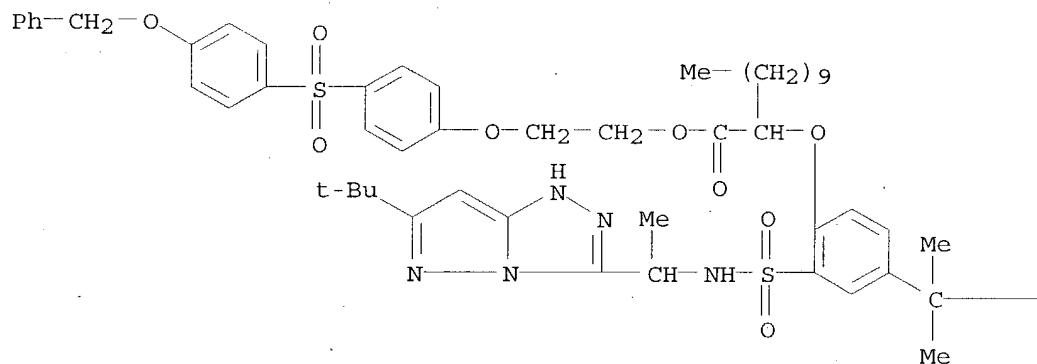
CN Dodecanoyl chloride, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]- (9CI) (CA INDEX NAME)



RN 291543-65-2 CAPLUS

CN Dodecanoic acid, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-, 2-[4-[[4-(phenylmethoxy)phenyl]sulfonyl]phenoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

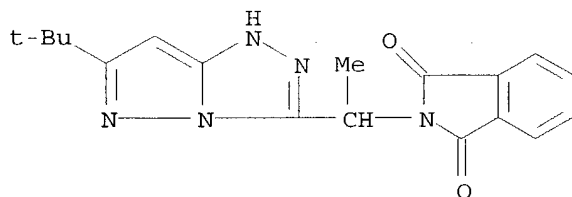


PAGE 1-B

-CH2-CMe3

RN 426265-96-5 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]- (9CI) (CA INDEX NAME)



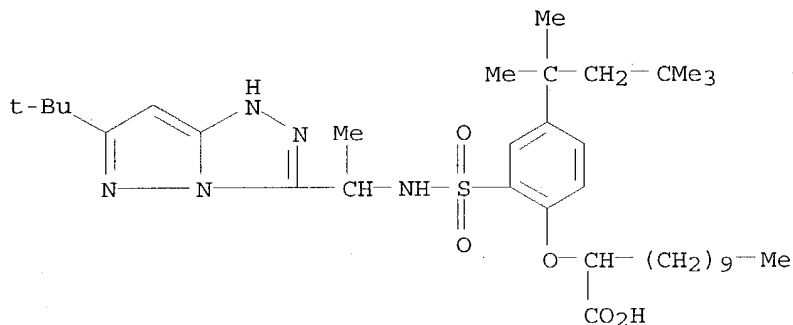
IT 291543-60-7P 291543-61-8P 291543-62-9P

291543-64-1P 291543-66-3P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(magenta coupler; silver halide color **photog.** film comprising magenta coupler)

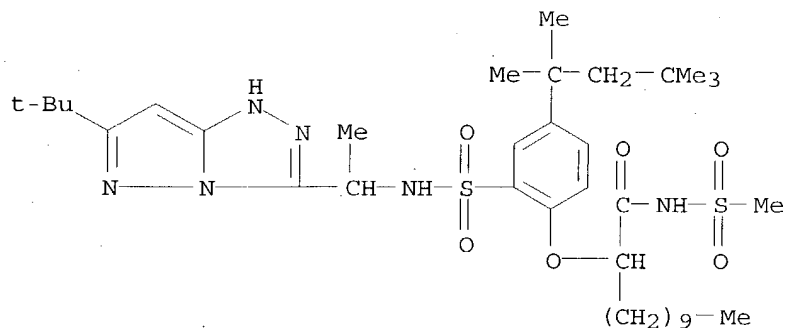
RN 291543-60-7 CAPLUS

CN Dodecanoic acid, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]- (9CI) (CA INDEX NAME)



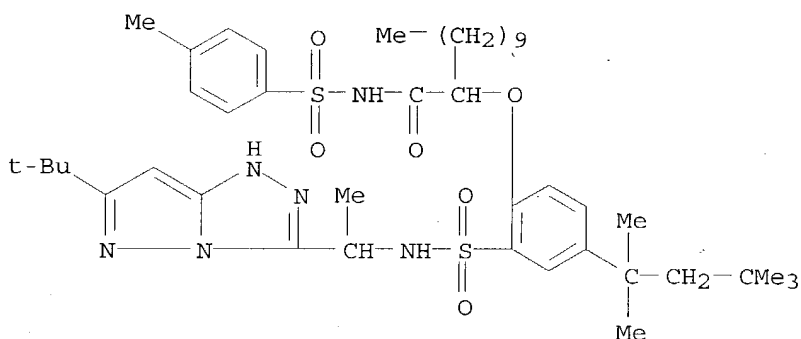
RN 291543-61-8 CAPLUS

CN Dodecanamide, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)



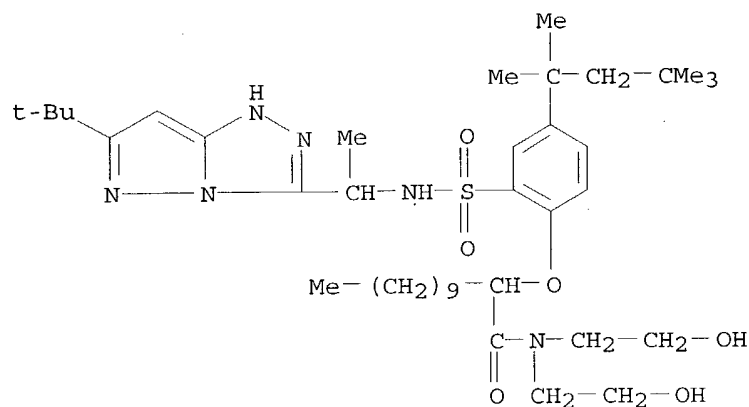
RN 291543-62-9 CAPLUS

CN Dodecanamide, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-N-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)



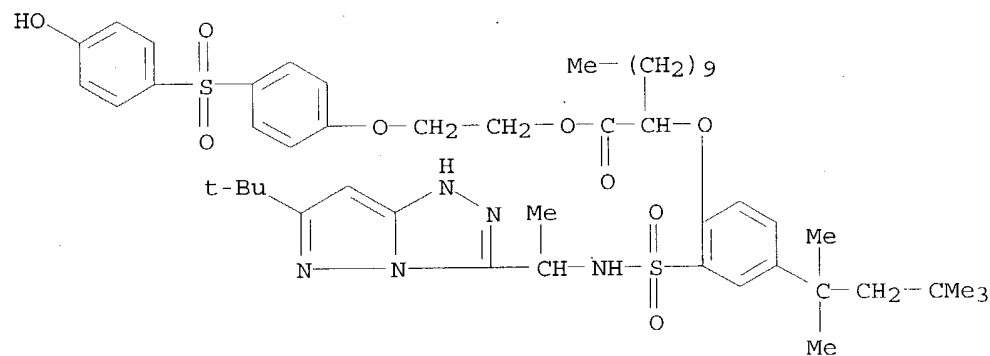
RN 291543-64-1 CAPLUS

CN Dodecanamide, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-N,N-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 291543-66-3 CAPLUS

CN Dodecanoic acid, 2-[2-[[[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-, 2-[4-[(4-hydroxyphenyl)sulfonyl]phenoxy]ethyl ester (9CI) (CA INDEX NAME)

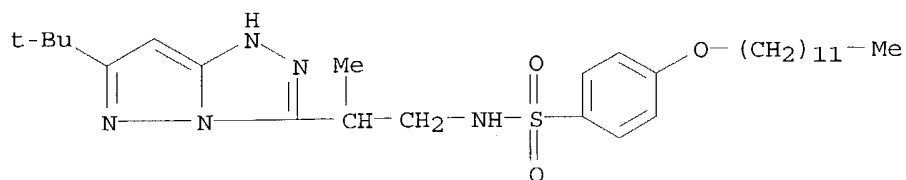


IT 291543-67-4 291543-68-5 291543-69-6
 291543-70-9 291543-71-0 291543-73-2
 291543-74-3 291543-75-4 291543-76-5
 291543-77-6 291545-03-4 426265-97-6
 426265-98-7 426265-99-8 426266-00-4
 426266-01-5

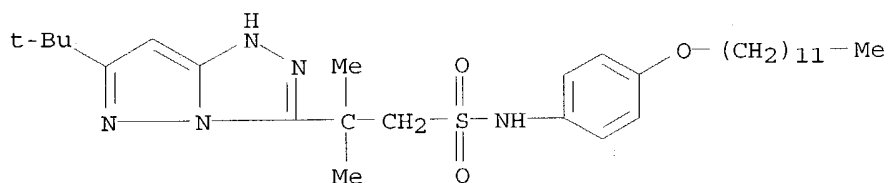
RL: TEM (Technical or engineered material use); USES (Uses)
 (magenta coupler; silver halide color **photog.** film comprising
 magenta coupler)

RN 291543-67-4 CAPLUS

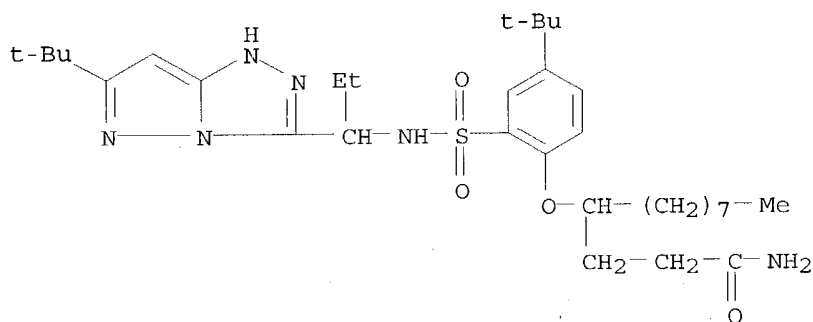
CN Benzenesulfonamide, N-[2-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]-4-(dodecyloxy)- (9CI) (CA INDEX NAME)



RN 291543-68-5 CAPLUS
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-3-ethanesulfonamide,
 6-(1,1-dimethylethyl)-N-[4-(dodecyloxy)phenyl]-β,β-dimethyl-
 (9CI) (CA INDEX NAME)

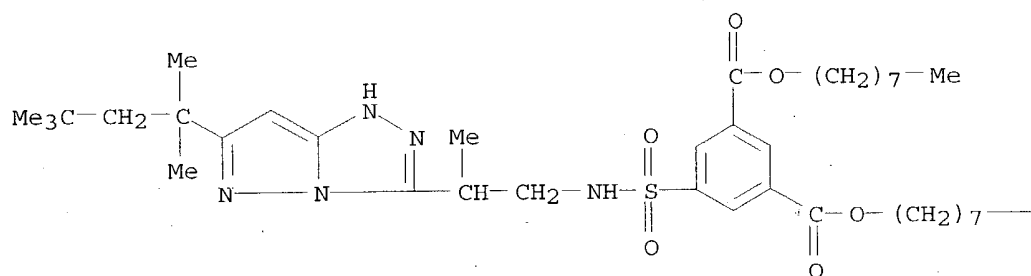


RN 291543-69-6 CAPLUS
 CN Dodecanamide, 4-[4-(1,1-dimethylethyl)-2-[[[1-[6-(1,1-dimethylethyl)-1H-
 pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]amino]sulfonyl]phenoxy]- (9CI)
 (CA INDEX NAME)



RN 291543-70-9 CAPLUS
 CN 1,3-Benzenedicarboxylic acid, 5-[[[2-[6-(1,1,3,3-tetramethylbutyl)-1H-
 pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]amino]sulfonyl]-, dioctyl ester
 (9CI) (CA INDEX NAME)

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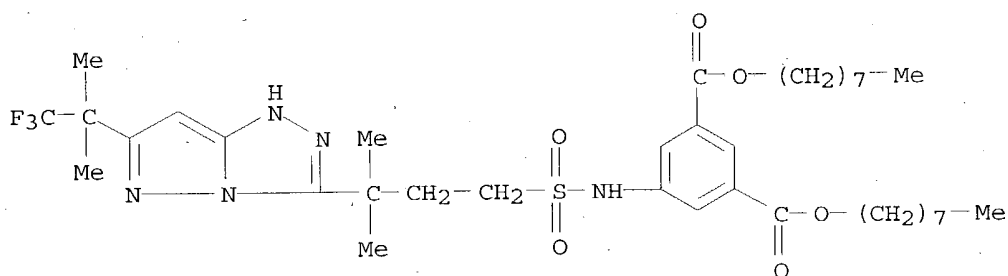


PAGE 1-B

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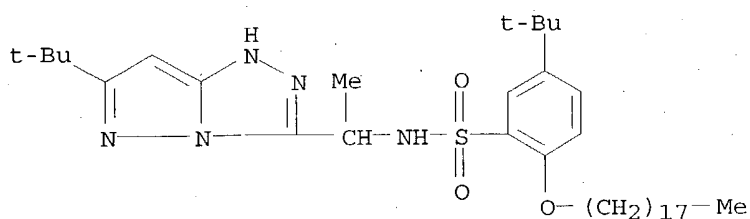
RN 291543-71-0 CAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-[[[3-methyl-3-[6-(2,2,2-trifluoro-1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]butyl]sulfonyl]amino] - , dioctyl ester (9CI) (CA INDEX NAME)



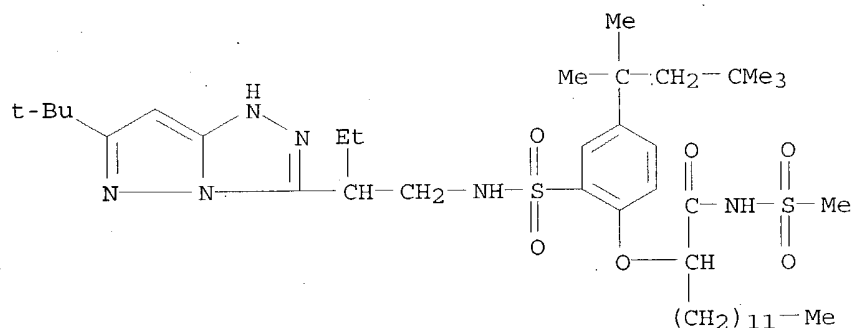
RN 291543-73-2 CAPLUS

CN Benzenesulfonamide, 5-(1,1-dimethylethyl)-N-[1-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]-2-(octadecyloxy) - (9CI) (CA INDEX NAME)



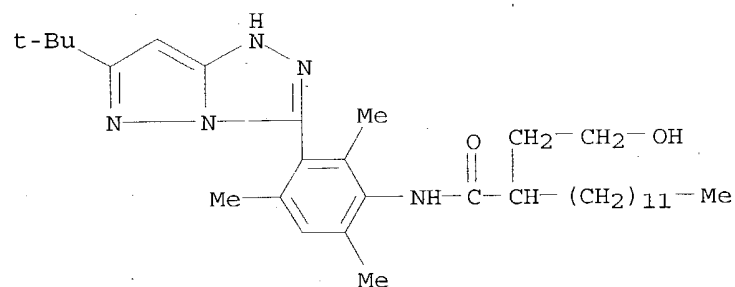
RN 291543-74-3 CAPLUS

CN Tetradecanamide, 2-[2-[[[2-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]butyl]amino]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 291543-75-4 CAPLUS

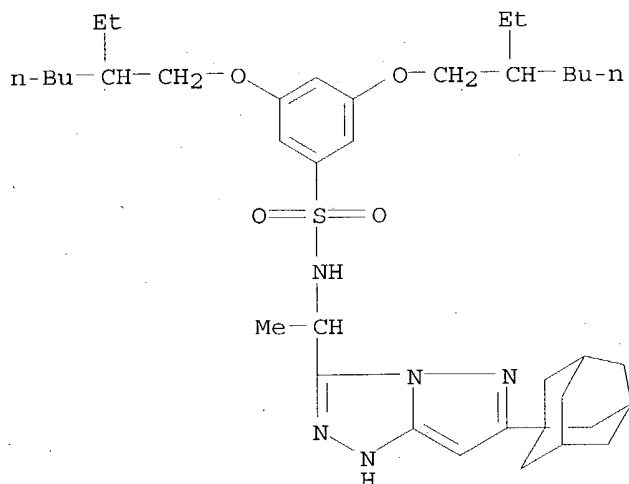
CN Tetradecanamide, N-[3-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethylphenyl]-2-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 291543-76-5 CAPLUS

CN Tetradecanamide, 2-[4-(1,1-dimethylethyl)-2-[[[3-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]sulfonyl]phenoxy]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)

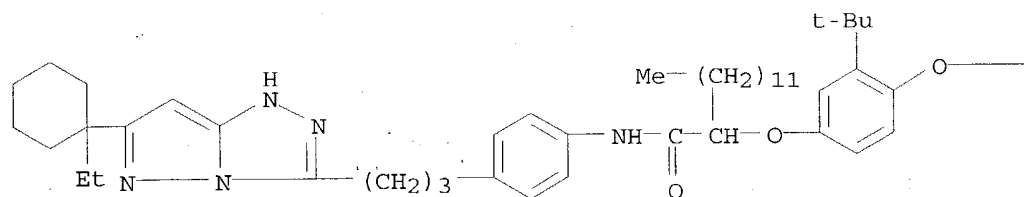
tricyclo[3.3.1.1^{3,7}]dec-1-yl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl) ethyl] -
(9CI) (CA INDEX NAME)



RN 426265-98-7 CAPLUS

CN Tetradecanamide, 2-[3-(1,1-dimethylethyl)-4-(2-hydroxyethoxy)phenoxy]-N-[4-[3-[6-(1-ethylcyclohexyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



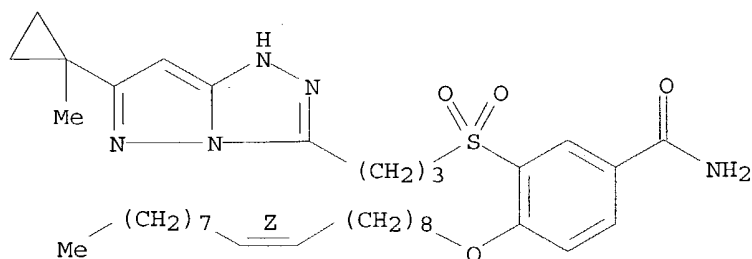
PAGE 1-B

—CH₂—CH₂—OH

RN 426265-99-8 CAPLUS

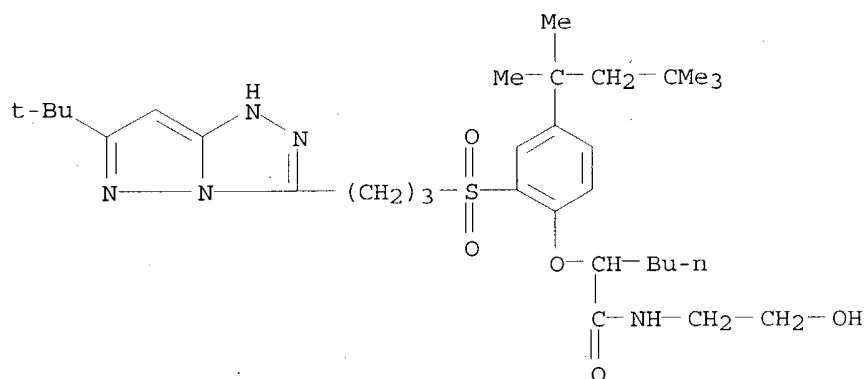
CN Benzamide, 3-[[3-[6-(1-methylcyclopropyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]sulfonyl]-4-[(9Z)-9-octadecenyl]oxy]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



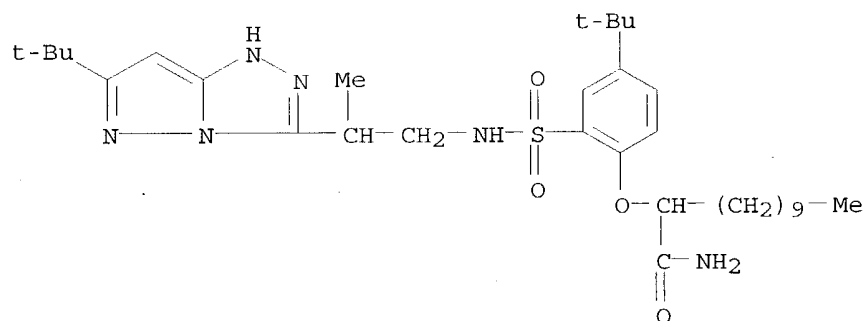
RN 426266-00-4 CAPLUS

CN Hexanamide, 2-[2-[[3-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]sulfonyl]-4-(1,1,3,3-tetramethylbutyl)phenoxy]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 426266-01-5 CAPLUS

CN Dodecanamide, 2-[4-(1,1-dimethylethyl)-2-[[[2-[6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]amino]sulfonyl]phenoxy]- (9CI) (CA INDEX NAME)



IC ICM G03C001-08

ICS G03C007-26; G03C007-32
NCL 430558000
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST color **photog** film magenta coupler
IT **Photographic** films
(color; silver halide color **photog.** film comprising magenta coupler)
IT Magenta couplers
(silver halide color **photog.** film comprising magenta coupler)
IT 5364-22-7P 19506-87-7P 112001-82-8P 137786-05-1P 291543-48-1P
291543-49-2P 291543-50-5P 291543-51-6P 291543-52-7P 291543-53-8P
291543-54-9P 291543-55-0P 291543-56-1P 291543-58-3P
291543-59-4P 291543-63-0P 291543-65-2P
426265-96-5P
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(in preparation of magenta coupler)
IT 56-41-7, α -Alanine, reactions 70-55-3, p-Toluenesulfonamide
85-44-9, Phthalic anhydride 140-66-9 2231-57-4, Thiocarbonylhydrazide
6974-87-4, Ethyl 2-bromododecanoate 13547-70-1 63134-33-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(in preparation of magenta coupler)
IT 291543-60-7P 291543-61-8P 291543-62-9P
291543-64-1P 291543-66-3P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(magenta coupler; silver halide color **photog.** film comprising magenta coupler)
IT 291543-67-4 291543-68-5 291543-69-6
291543-70-9 291543-71-0 291543-73-2
291543-74-3 291543-75-4 291543-76-5
291543-77-6 291545-03-4 426265-97-6
426265-98-7 426265-99-8 426266-00-4
426266-01-5
RL: TEM (Technical or engineered material use); USES (Uses)
(magenta coupler; silver halide color **photog.** film comprising magenta coupler)

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:180939 CAPLUS

DOCUMENT NUMBER: 134:229655

TITLE: Silver halide color
photosensitive material containing
pyrazolotriazole derivative cyan coupler

INVENTOR(S): Oshiyama, Tomohiro; Ikesu, Satoru; Chen, Zu Liu;
Ishii, Fumio; Daiba, Shinichi

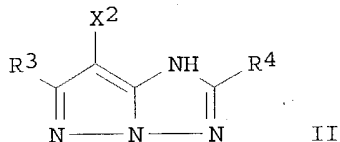
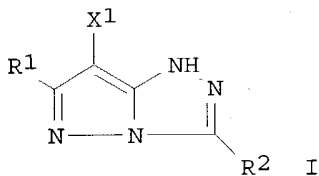
PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001066743	A2	20010316	JP 1999-241443	19990827
PRIORITY APPLN. INFO.:			JP 1999-241443	19990827
OTHER SOURCE(S):		MARPAT 134:229655		
GI				



AB In the **photog.** material comprising a support coated with blue-, green-, and red-sensitive Ag halide emulsion layers, the red-sensitive emulsion layer contains a cyan coupler I or II (R1, R3 = electron withdrawing group with Hammett's $\sigma_p \geq 0.30$; R2, R4 = substituent; X1-2 = H, releasable group in the reaction with **developer**), which forms intramol. hydrogen bonds of 6-membered ring form at ≥ 2 positions when forming dye by the reaction with a **developer** oxide. The red-sensitive emulsion layer may contain some variations of cyan couplers. The material shows good coloring property and gives images with good lightfastness and color reproduction

IT 329697-22-5 329697-24-7 329708-31-8
 329708-33-0 329708-35-2 329708-39-6
 329708-40-9 329708-42-1 329708-44-3
 329708-45-4 329708-46-5

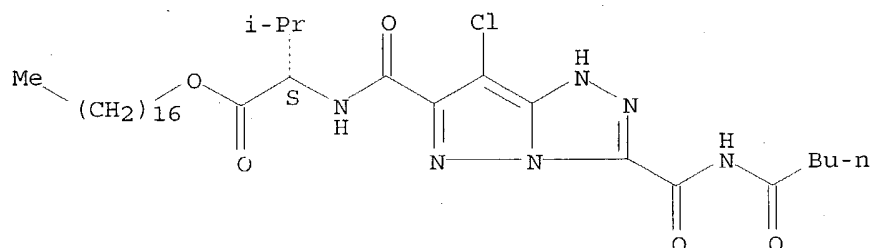
RL: DEV (Device component use); USES (Uses)

(**photog.** film containing pyrazolotriazole derivative cyan coupler forming intramol. hydrogen bond)

RN 329697-22-5 CAPLUS

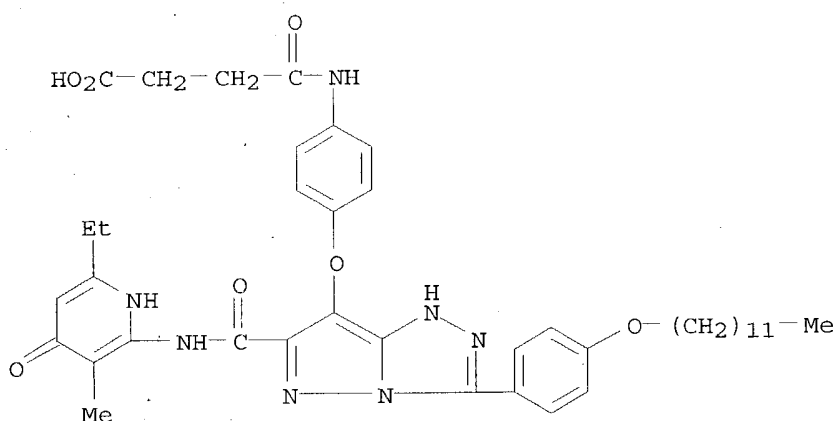
CN L-Valine, N-[[[7-chloro-3-[[[(1-oxopentyl)amino]carbonyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-6-yl]carbonyl]-, heptadecyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



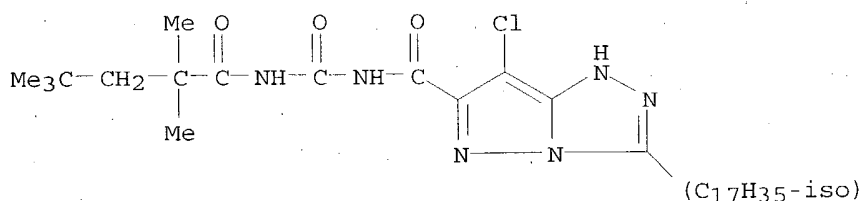
RN 329697-24-7 CAPLUS

CN Butanoic acid, 4-[[[4-[(dodecyloxy)phenyl]-6-[[6-ethyl-1,4-dihydro-3-methyl-4-oxo-2-pyridinyl)amino]carbonyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]phenyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



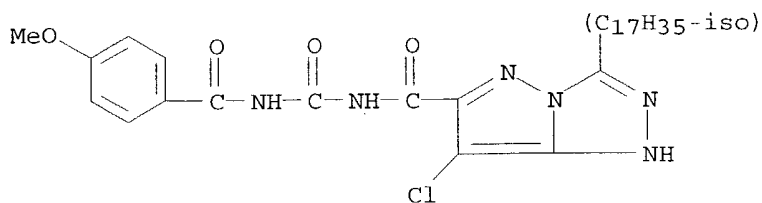
RN 329708-31-8 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-isooheptadecyl-N-[[[2,2,4,4-tetramethyl-1-oxopentyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



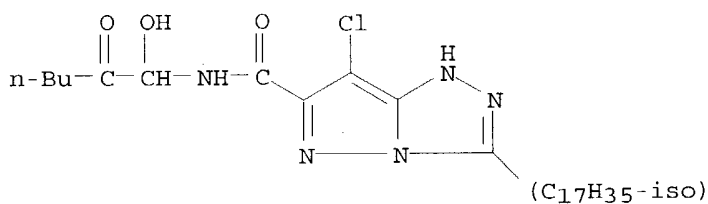
RN 329708-33-0 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-3-isooheptadecyl-N-[[[4-methoxybenzoyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



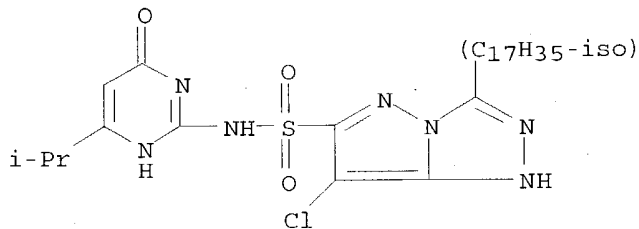
RN 329708-35-2 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-(1-hydroxy-2-oxohexyl)-3-isoheptadecyl- (9CI) (CA INDEX NAME)



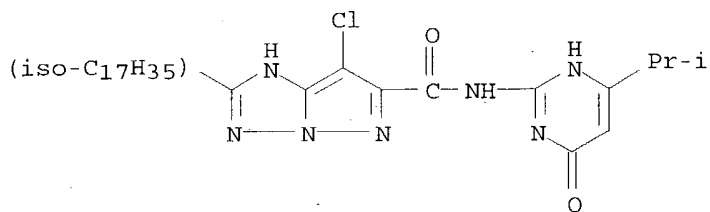
RN 329708-39-6 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-sulfonamide, 7-chloro-N-[1,4-dihydro-6-(1-methylethyl)-4-oxo-2-pyrimidinyl]-3-isoheptadecyl- (9CI) (CA INDEX NAME)



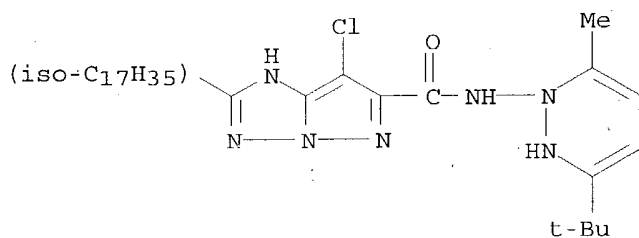
RN 329708-40-9 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[1,4-dihydro-6-(1-methylethyl)-4-oxo-2-pyrimidinyl]-2-isoheptadecyl- (9CI) (CA INDEX NAME)



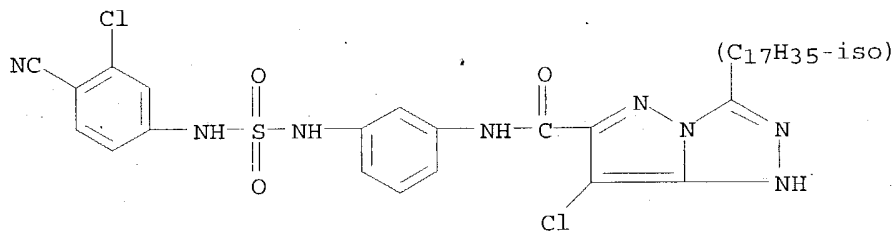
RN 329708-42-1 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[3-(1,1-dimethylethyl)-6-methyl-1(2H)-pyridazinyl]-2-isoheptadecyl- (9CI) (CA INDEX NAME)



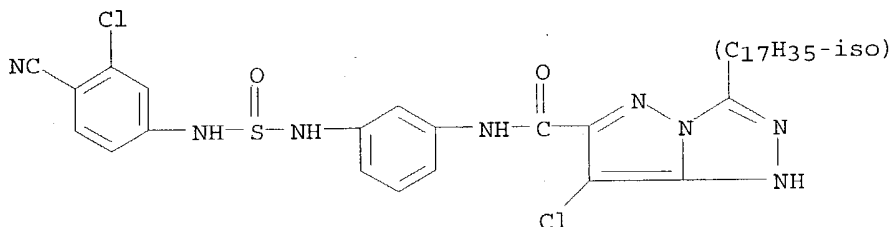
RN 329708-44-3 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[3-[[[(3-chloro-4-cyanophenyl)amino]sulfonyl]amino]phenyl]-3-isoheptadecyl- (9CI) (CA INDEX NAME)

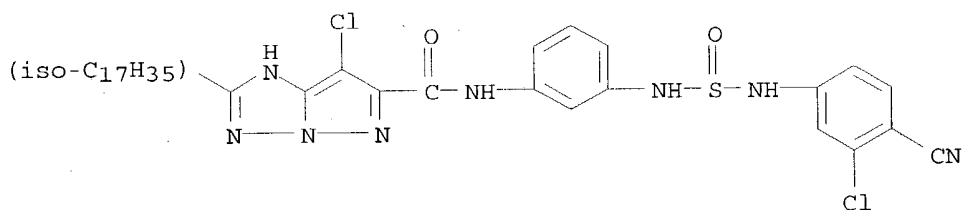


RN 329708-45-4 CAPLUS

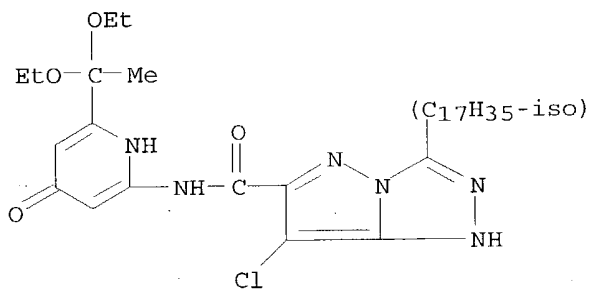
CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[3-[[[(3-chloro-4-cyanophenyl)amino]sulfinyl]amino]phenyl]-3-isoheptadecyl- (9CI) (CA INDEX NAME)



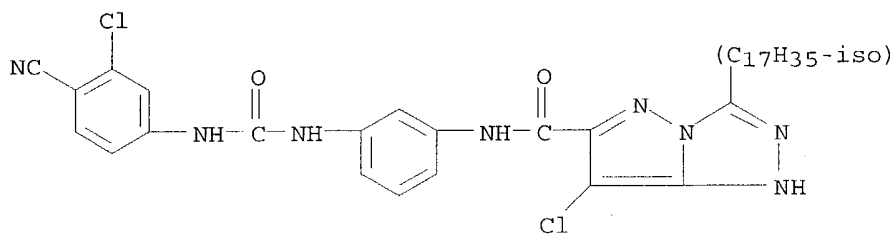
RN 329708-46-5 CAPLUS
 CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-6-carboxamide, 7-chloro-N-[3-[[[(3-chloro-4-cyanophenyl)amino]sulfinyl]amino]phenyl]-2-isoheptadecyl- (9CI)
 (CA INDEX NAME)



IT 329708-37-4P 329708-43-2P
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
 (photog. film containing pyrazolotriazole derivative cyan coupler forming intramol. hydrogen bond)
 RN 329708-37-4 CAPLUS
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[6-(1,1-diethoxyethyl)-1,4-dihydro-4-oxo-2-pyridinyl]-3-isoheptadecyl- (9CI) (CA INDEX NAME)



RN 329708-43-2 CAPLUS
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, 7-chloro-N-[3-[[[(3-chloro-4-cyanophenyl)amino]carbonyl]amino]phenyl]-3-isoheptadecyl- (9CI)
 (CA INDEX NAME)



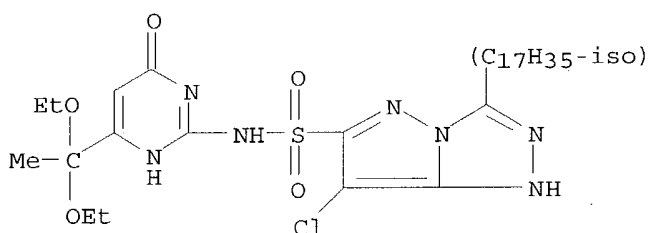
IT 329708-49-8P 329708-50-1P

RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation);
 RACT (Reactant or reagent)

(preparation of pyrazolotriazole derivative cyan coupler)

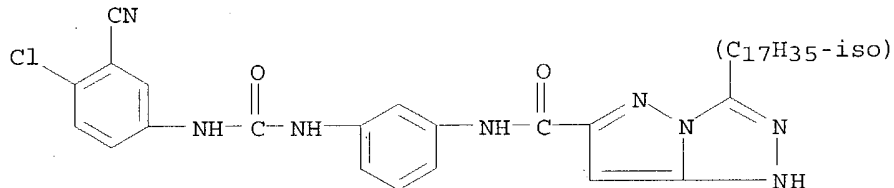
RN 329708-49-8 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-sulfonamide, 7-chloro-N-[6-(1,1-diethoxyethyl)-1,4-dihydro-4-oxo-2-pyrimidinyl]-3-isoheptadecyl- (9CI)
 (CA INDEX NAME)



RN 329708-50-1 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carboxamide, N-[3-[[[4-chloro-3-cyanophenyl]amino]carbonyl]amino]phenyl]-3-isoheptadecyl- (9CI) (CA INDEX NAME)



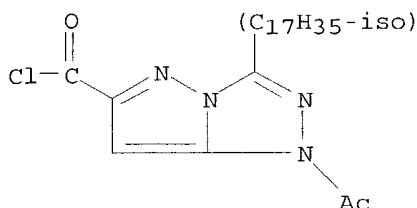
IT 329708-47-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of pyrazolotriazole derivative cyan coupler)

RN 329708-47-6 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole-6-carbonyl chloride,
 1-acetyl-3-isoheptadecyl- (9CI) (CA INDEX NAME)

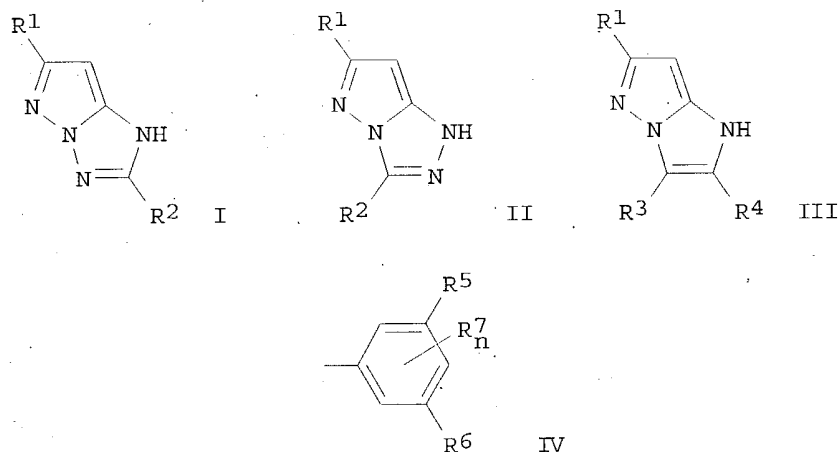


IC ICM G03C007-38
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST pyrazolo triazole cyan coupler intramol hydrogen bond; **photog** film pyrazolo triazole cyan coupler
 IT Cyan couplers
 Photographic films
 (**photog.** film containing pyrazolotriazole derivative cyan coupler forming intramol. hydrogen bond)
 IT 329697-22-5 329697-24-7 329708-31-8
 329708-33-0 329708-35-2 329708-39-6
 329708-40-9 329708-42-1 329708-44-3
 329708-45-4 329708-46-5
 RL: DEV (Device component use); USES (Uses)
 (**photog.** film containing pyrazolotriazole derivative cyan coupler forming intramol. hydrogen bond)
 IT 329708-37-4P 329708-43-2P
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
 (**photog.** film containing pyrazolotriazole derivative cyan coupler forming intramol. hydrogen bond)
 IT 86944-23-2P 329697-28-1P 329708-49-8P 329708-50-1P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolotriazole derivative cyan coupler)
 IT 99-09-2, m-Nitroaniline 6312-89-6 100224-74-6, Guanidine carbonate 103576-41-6 329708-47-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrazolotriazole derivative cyan coupler)
 IT 329697-27-0P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (reduction of; preparation of pyrazolotriazole derivative cyan coupler)

L40 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:620537 CAPLUS
 DOCUMENT NUMBER: 131:264720
 TITLE: Heat development **silver halide** color **photosensitive** material using novel magenta coupler
 INVENTOR(S): Kawagishi, Toshio; Naruse, Hideaki

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 82 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11265044	A2	19990928	JP 1998-93666	19980406
US 6074810	A	20000613	US 1998-168171	19981008
PRIORITY APPLN. INFO.:			JP 1997-290544	A 19971008
			JP 1998-5195	A 19980113
			JP 1998-93666	A 19980406
OTHER SOURCE(S):			MARPAT 131:264720	
GI				



AB The title material contains, in ≥ 1 of the layers on a support, a coupler I, II or III ($R_1, R_3, R_4 = H, \text{halo, substituent}; \geq 1$ of R_3 and R_4 and R_2 are IV; $R_5, R_6 = \text{alkyl, aryl, heterocyclic group, alkoxy, aryloxy, acyloxy, alkoxy carbonyloxy, cycloalkyloxy carbonyloxy, aryloxy carbonyloxy, carbamoyloxy, sulfamoyloxy, alkanesulfonyloxy, arenesulfonyloxy, acyl, alkoxy carbonyl, cycloalkyloxy carbonyl, aryloxy carbonyl, carbamoyl, amino, anilino, heterocyclic amino, carbonamide, alkoxy carbonylamino, aryloxy carbonylamino, ureido, sulfonamide, sulfamoylamino, imide, alkylthio, arylthio, heterocyclic thio, sulfinyl, alkanesulfonyl, arenesulfonyl, sulfamoyl, phosphinoylamino}; R_7 = \text{substituent}; n = 0-3$). The material may contain a **developer**. The material provides a high quality color image with improved discrimination and shows high storage stability before and after processing.

IT 244763-68-6 244763-69-7 244763-70-0

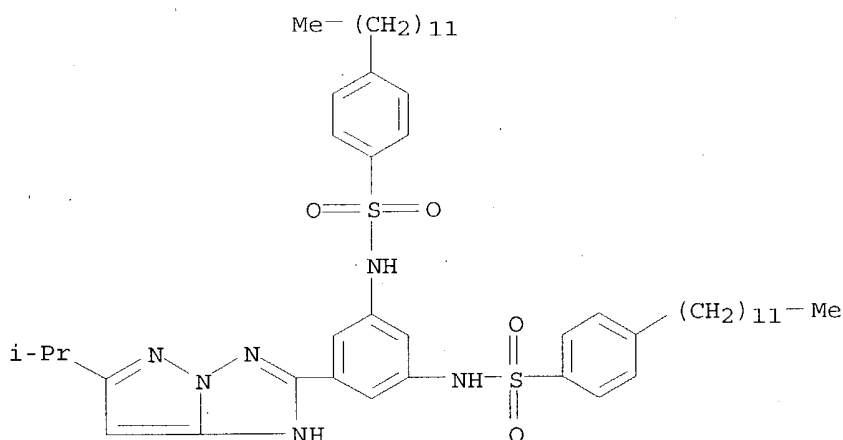
244763-71-1 244763-72-2 244763-73-3
 244763-74-4 244763-75-5 244763-76-6
 244763-77-7 244763-78-8 244763-79-9
 244763-80-2 244777-99-9

RL: DEV (Device component use); USES (Uses)

(heat-developable **photog.** film containing pyrazole derivative magenta coupler)

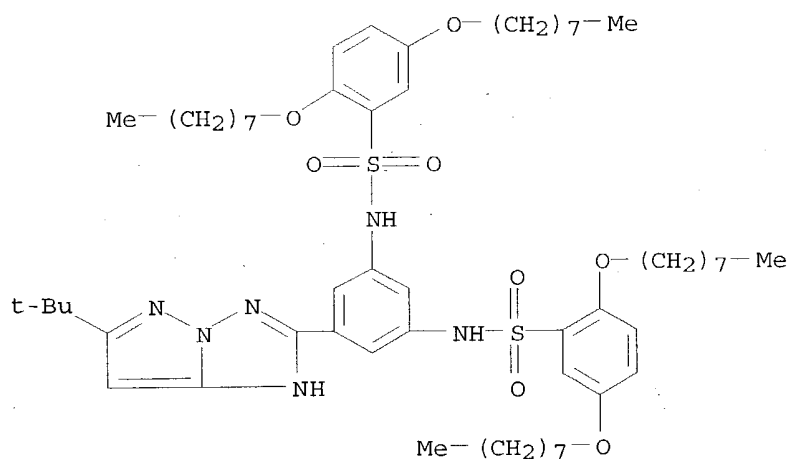
RN 244763-68-6 CAPLUS

CN Benzenesulfonamide, N,N'-[5-[6-(1-methylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[4-dodecyl- (9CI) (CA INDEX NAME)



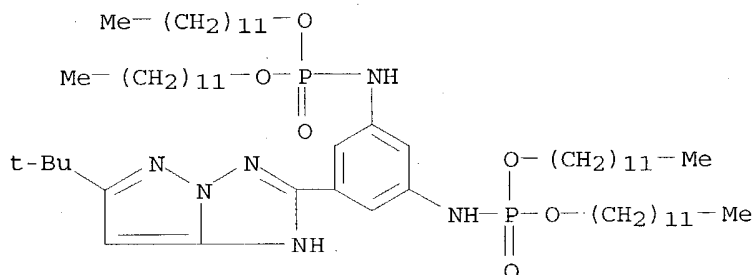
RN 244763-69-7 CAPLUS

CN Benzenesulfonamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2,5-bis(octyloxy)- (9CI) (CA INDEX NAME)



RN 244763-70-0 CAPLUS

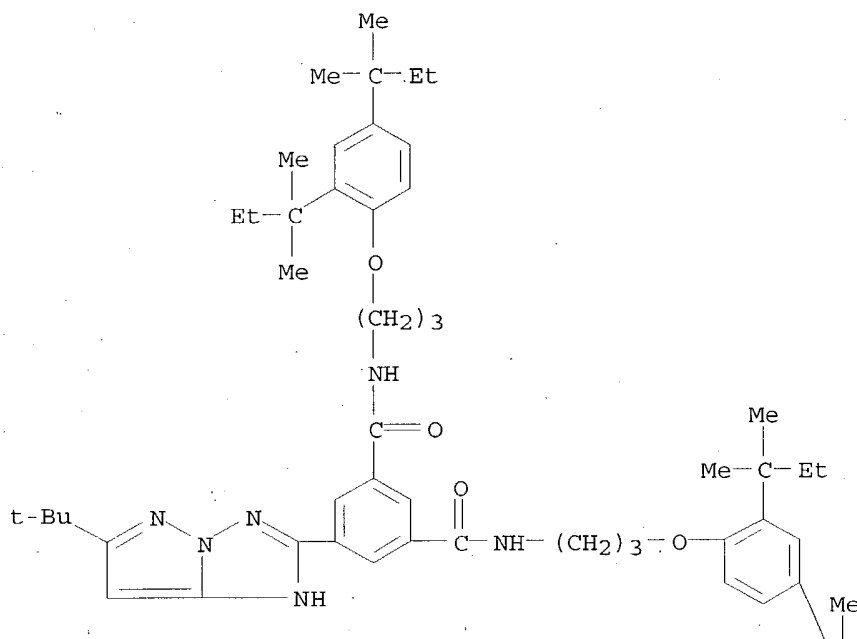
CN Phosphoramidic acid, [5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis-, tetradodecyl ester (9CI) (CA INDEX NAME)



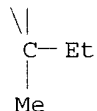
RN 244763-71-1 CAPLUS

CN 1,3-Benzenedicarboxamide, N,N'-bis[3-[2,4-bis(1,1-dimethylpropyl)phenoxy]propyl]-5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A

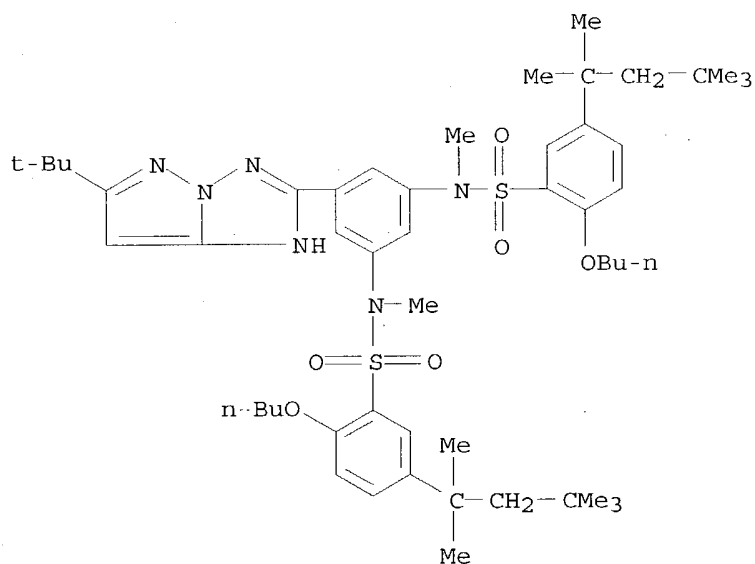


PAGE 2-A



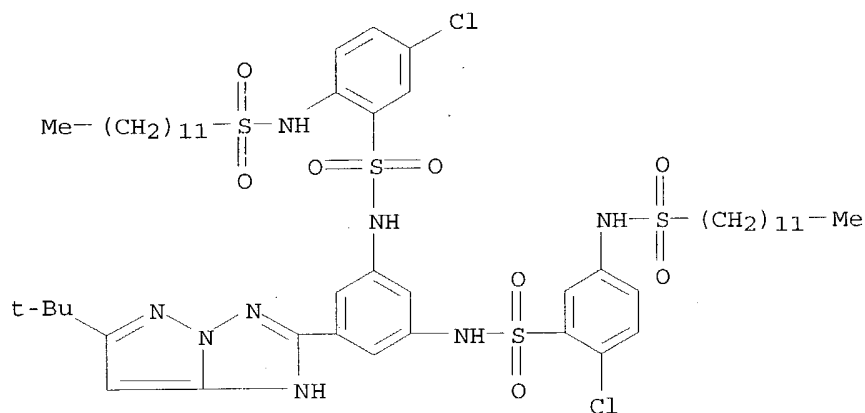
RN 244763-72-2 CAPLUS

CN Benzenesulfonamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2-butoxy-N-methyl-5-(1,1,3,3-tetramethylbutyl)-(9CI) (CA INDEX NAME)



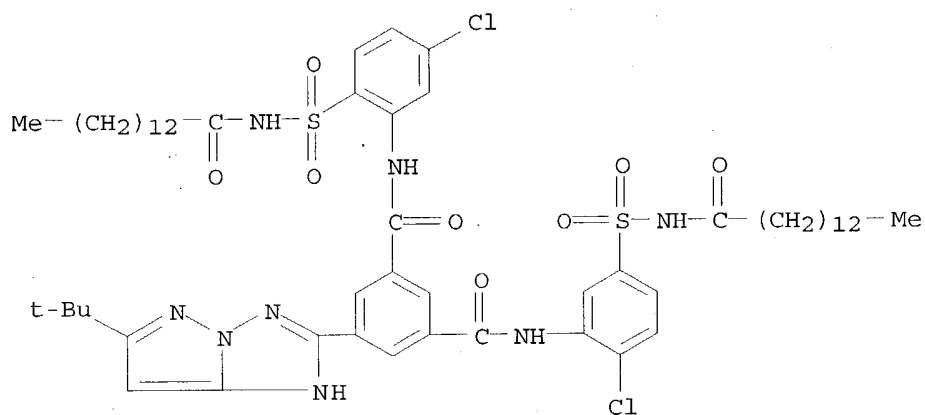
RN 244763-73-3 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-[5-[[[5-chloro-2-[(dodecylsulfonyl)amino]phenyl]sulfonyl]amino]-3-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-5-[(dodecylsulfonyl)amino]-(9CI) (CA INDEX NAME)



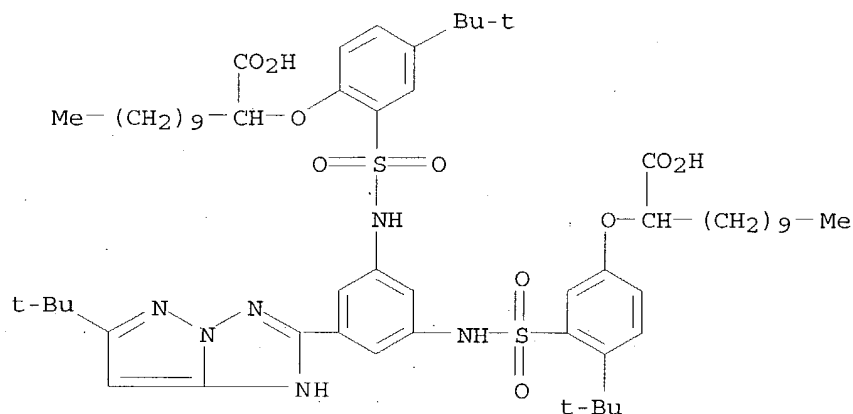
RN 244763-74-4 CAPLUS

CN 1,3-Benzenedicarboxamide, N-[2-chloro-5-[[[1-oxotetradecyl)amino]sulfonyl]phenyl]-N'-[5-chloro-2-[[[1-oxotetradecyl)amino]sulfonyl]phenyl]-5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]- (9CI) (CA INDEX NAME)



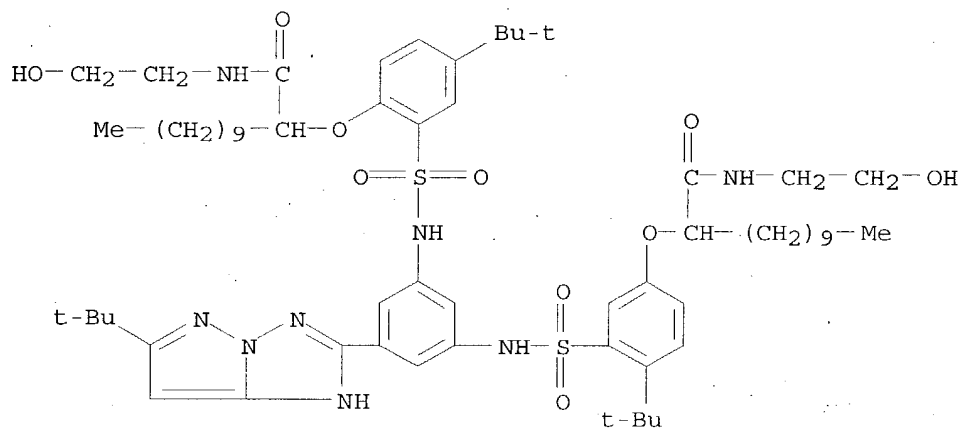
RN 244763-75-5 CAPLUS

CN Dodecanoic acid, 2-[2-[[[5-[[[5-[(1-carboxyundecyl)oxy]-2-(1,1-dimethylethyl)phenyl]sulfonyl]amino]-3-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]sulfonyl]-4-(1,1-dimethylethyl)phenoxy]- (9CI) (CA INDEX NAME)



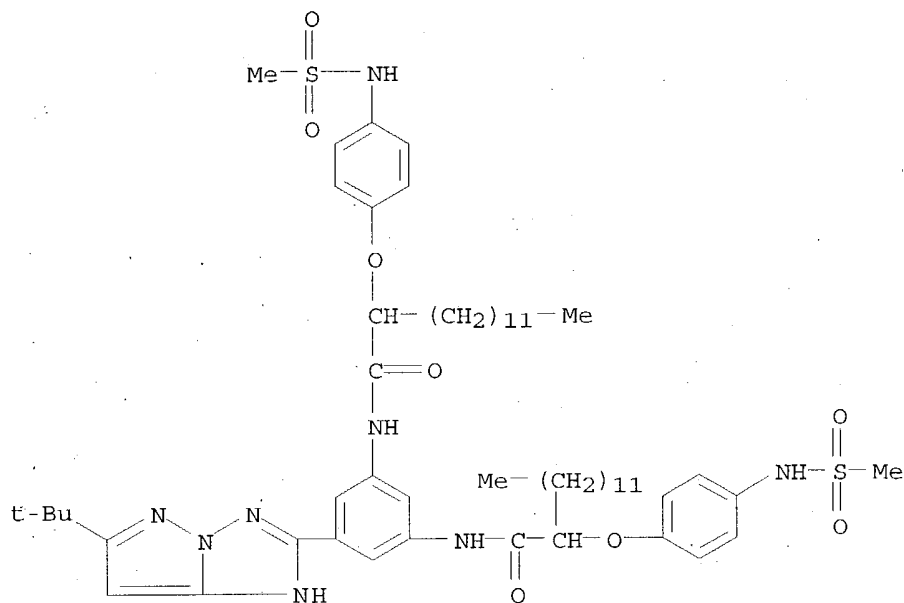
RN 244763-76-6 CAPLUS

CN Dodecanamide, 2-[4-(1,1-dimethylethyl)-2-[[[5-[[[2-(1,1-dimethylethyl)-5-[[1-[[[2-hydroxyethyl]amino]carbonyl]undecyl]oxy]phenyl]sulfonyl]amino]-3-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]sulfonyl]phenoxy]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



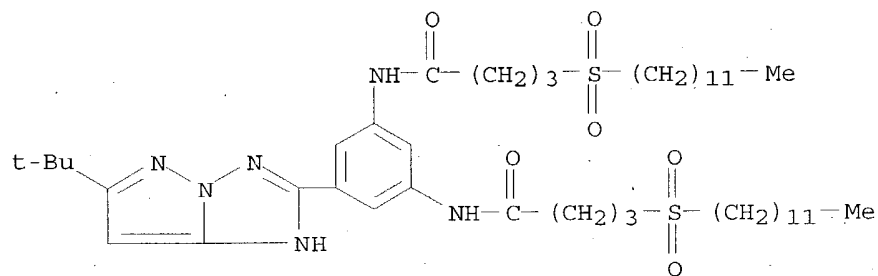
RN 244763-77-7 CAPLUS

CN Tetradecanamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2-[4-[(methylsulfonyl)amino]phenoxy]- (9CI) (CA INDEX NAME)



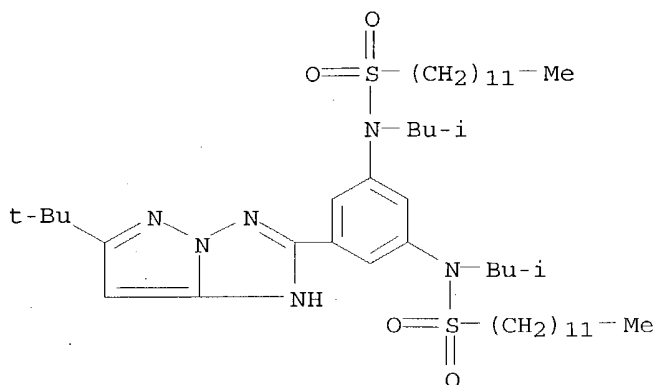
RN 244763-78-8 CAPLUS

CN Butanamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[4-(dodecylsulfonyl)- (9CI) (CA INDEX NAME)



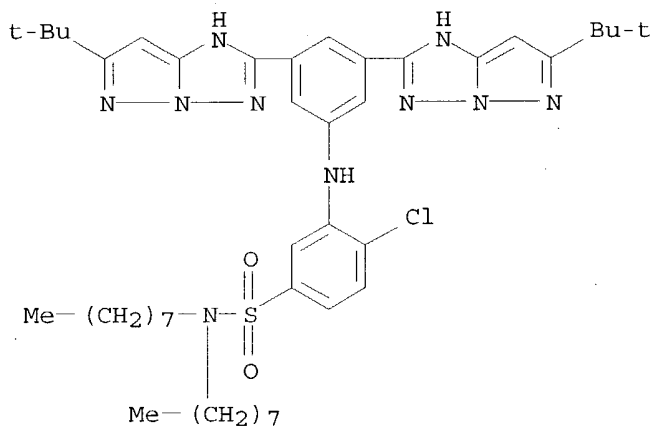
RN 244763-79-9 CAPLUS

CN 1-Dodecanesulfonyl, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[N-(2-methylpropyl)- (9CI) (CA INDEX NAME)



RN 244763-80-2 CAPLUS

CN Benzenesulfonamide, 3-[[3,5-bis[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]-4-chloro-N,N-dioctyl- (9CI) (CA INDEX NAME)



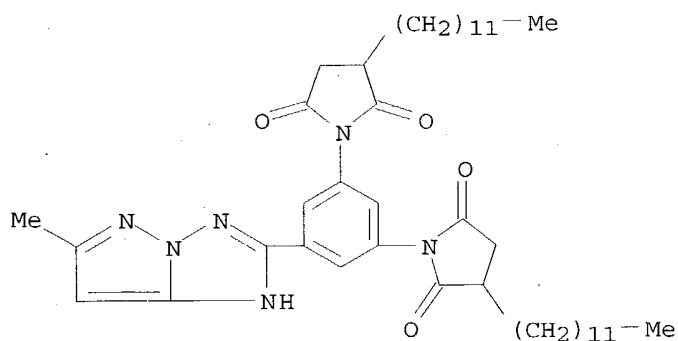
RN 244777-99-9 CAPLUS

CN 2,5-Pyrrolidinedione, 1,1'-[5-(6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)-1,3-phenylene]bis[3-(dodecenyl)- (9CI) (CA INDEX NAME)

CM 1

CRN 244777-98-8

CMF C43 H64 N6 O4



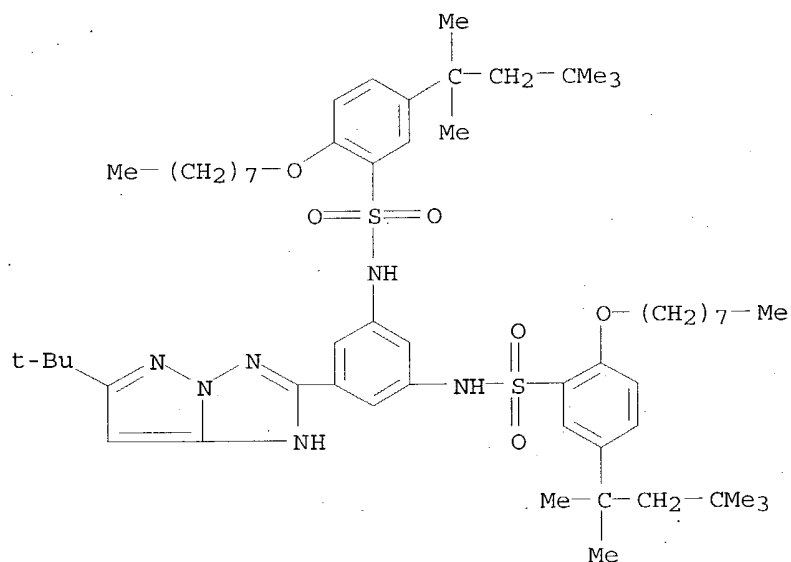
IT 244763-66-4P 244763-67-5P 244763-86-8P

RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)

(heat-developable photog. film containing pyrazole derivative magenta coupler)

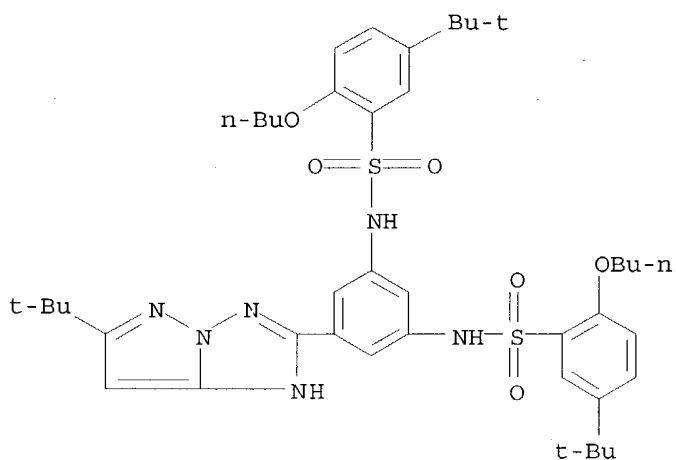
RN 244763-66-4 CAPLUS

CN Benzenesulfonamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



RN 244763-67-5 CAPLUS

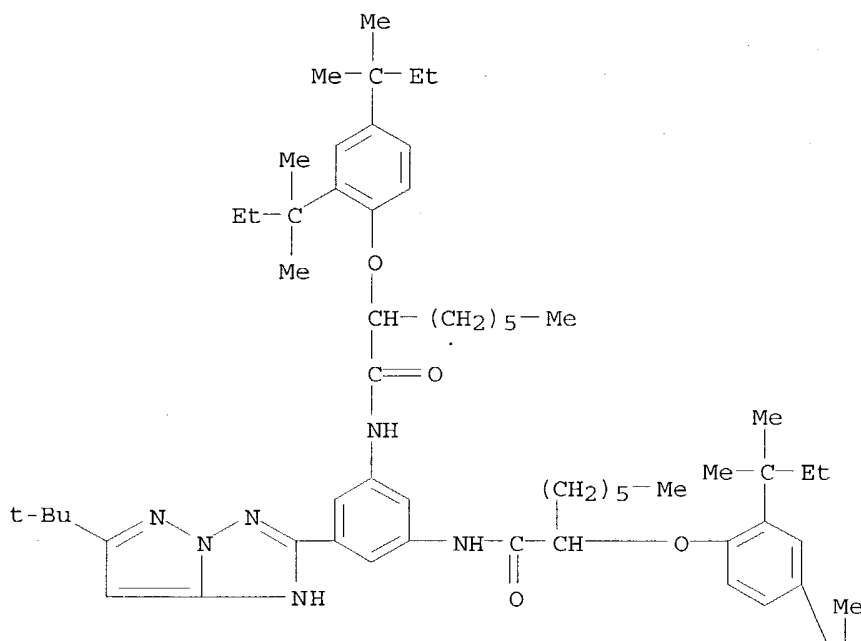
CN Benzenesulfonamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2-butoxy-5-(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)



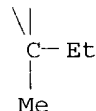
RN 244763-86-8 CAPLUS

CN Octanamide, N,N'-[5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]-1,3-phenylene]bis[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]- (9CI) (CA INDEX NAME)

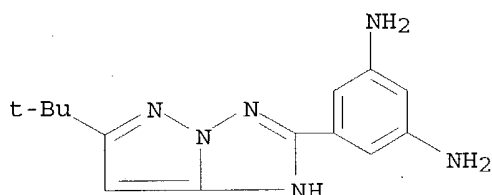
PAGE 1-A



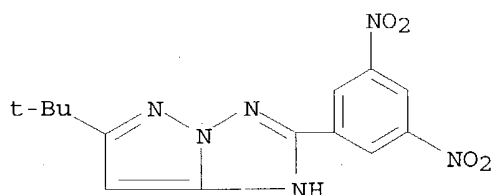
PAGE 2-A



IT 244763-83-5P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation);
 RACT (Reactant or reagent)
 (preparation of pyrazole derivative **photog.** magenta coupler)
 RN 244763-83-5 CAPLUS
 CN 1,3-Benzenediamine, 5-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]- (9CI) (CA INDEX NAME)



IT 244763-82-4P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation);
 RACT (Reactant or reagent)
 (reduction of; preparation of pyrazole derivative **photog.** magenta coupler)
 RN 244763-82-4 CAPLUS
 CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 6-(1,1-dimethylethyl)-2-(3,5-dinitrophenyl)- (9CI) (CA INDEX NAME)



IC ICM G03C007-38
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST pyrazole deriv **photog** magenta coupler; heat developable **photog** film developer
 IT Magenta couplers
 (heat-developable **photog.** film containing pyrazole derivative magenta coupler)
 IT **Photographic** films
 (heat-developable; heat-developable **photog.** film containing

pyrazole derivative magenta coupler)

IT 244763-68-6 244763-69-7 244763-70-0
 244763-71-1 244763-72-2 244763-73-3
 244763-74-4 244763-75-5 244763-76-6
 244763-77-7 244763-78-8 244763-79-9
 244763-80-2 244777-99-9
 RL: DEV (Device component use); USES (Uses)
 (heat-developable **photog.** film containing pyrazole derivative magenta coupler)

IT 244763-66-4P 244763-67-5P 244763-86-8P
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
 (heat-developable **photog.** film containing pyrazole derivative magenta coupler)

IT 196105-81-4 197859-22-6
 RL: DEV (Device component use); USES (Uses)
 (heat-developable **photog.** film containing pyrazole derivative magenta coupler and developer)

IT 166522-35-6P 244763-83-5P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazole derivative **photog.** magenta coupler)

IT 4110-35-4, 3,5-Dinitrobenzonitrile 82560-12-1 170831-51-3, 2-Octyloxy-5-tert-octylbenzenesulfonyl chloride 244763-84-6 244763-85-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of pyrazole derivative **photog.** magenta coupler)

IT 244763-82-4P
 RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (reduction of; preparation of pyrazole derivative **photog.** magenta coupler)

L40 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1999:610636 CAPLUS

DOCUMENT NUMBER: 131:235700

TITLE: Silver halide color
 photographic photosensitive material
 and image formation using the same

INVENTOR(S): Naruse, Hideaki; Kojima, Tetsuo

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

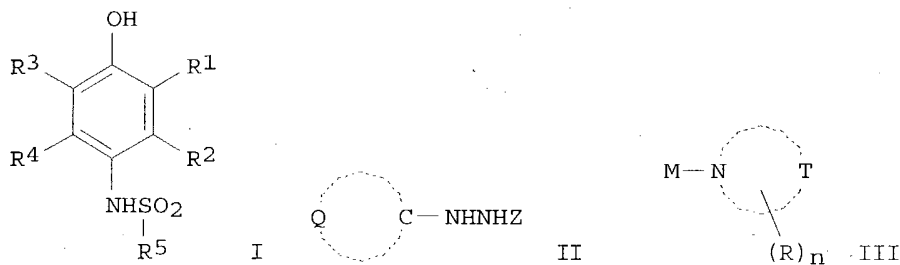
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11258751	A2	19990924	JP 1998-74837	19980309
US 6140034	A	20001031	US 1999-263951	19990308
PRIORITY APPLN. INFO.:			JP 1998-74837 A	19980309

OTHER SOURCE(S): MARPAT 131:235700
GI



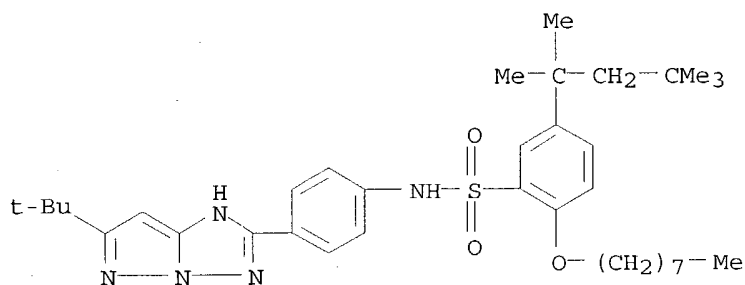
AB The **photosensitive** material has a **photog.** layer with ≥ 1 a **photosensitive** layer containing a **photosensitive** Ag halide, a **developer** main agent, and a binder on a support; the **developer** main agent contain I and/or II and III [R¹-R⁴ = H, halo, alkyl, aryl, cyano, (alkyl or aryl-substituted) carbonamide, sulfonamide, oxy, thio, carbamoyl, sulfamoyl, sulfonyl, oxycarbonyl, carbonyl, acyloxy; R⁵ = alkyl, aryl, heterocyclic group; Z = carbamoyl, acyl, alkyl- or aryloxycarbonyl, sulfonyl, sulfamoyl; Q = atom. group to form unsatd. ring with carbon; T = atom. group to form 5- or 6-membered heterocyclic ring which may be condensed with aromatic or heteroarom.; R = halo, C₄-6 aliphatic hydrocarbon, alkenyl, alkynyl, aralkyl, aryl, heterocyclic, alkoxy, aryloxy, (acyl)amino, (thio)ureido, urethane, sulfonamide, sulfamoyl, carbamoyl, sulfonyl, sulfinyl, oxycarbonyl, acyl, acyloxy, phosphoric acid amide, alkyl- or arylthio, cyano, sulfo, carboxy, OH, phosphono, nitro; n = 1, 2; M = H, alkali metal, NH₄⁺]. A coupler which form a color by coupling with an oxide of I or II may be contained in the **photosensitive** material. After exposing the **photosensitive** material to light, it is laminated with a processing material having a layer containing a base and/or a base precursor, and in between, almost 1/10-1-times the amount of water needed to swell all of the coatings to the maximum, and heated at 60-100° for 5-60 s to form a color image. The **photog.** material provides a high quality image with improved discrimination.

IT 152828-26-7

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; **silver halide color photog.**
photosensitive material and image formation using the same)

RN 152828-26-7 CAPLUS

CN Benzenesulfonamide, N-[4-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)-(9CI) (CA INDEX NAME)



IC ICM G03C007-392
ICS G03C001-42; G03C001-43; G03C007-407
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST **silver halide color photog**
photosensitive material; developer coupler color photog
IT Color developers
Photographic couplers
(**silver halide color photog.**
photosensitive material and image formation using the same)
IT 116312-72-2 **152828-26-7** 180200-98-0
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; **silver halide color photog.**
photosensitive material and image formation using the same)
IT 95-14-7, 1H-Benzotriazole 25877-73-0 64968-81-6 87353-75-1
192567-40-1 196105-81-4 197859-22-6 204273-26-7 209247-50-7
210368-89-1 244035-49-2 244035-50-5 244035-51-6 244035-52-7
244035-53-8 244035-54-9 244035-55-0 244035-56-1 244035-57-2
244035-58-3 244035-59-4 244035-60-7 244035-61-8 244035-62-9
244035-63-0 244035-64-1
RL: TEM (Technical or engineered material use); USES (Uses)
(**developer; silver halide color photog. photosensitive material and image formation using the same**)

L40 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:227089 CAPLUS
DOCUMENT NUMBER: 129:10562
TITLE: Image formation method for silver halide
photography using heat development
INVENTOR(S): Taguchi, Toshiki; Takeuchi, Kiyoshi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 87 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10097043	A2	19980414	JP 1996-269344	19960919
PRIORITY APPLN. INFO.:			JP 1996-269344	19960919

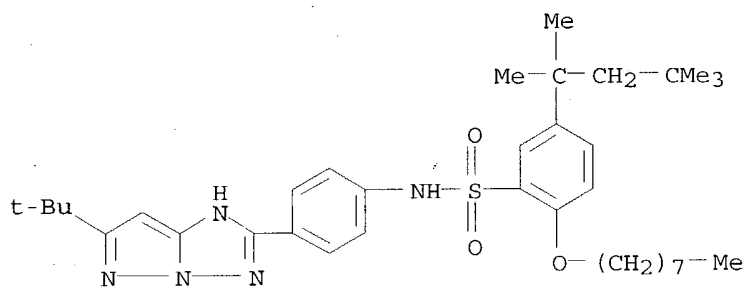
AB In the process comprising the steps of developing a **photosensitive** material containing a **photosensitive** emulsion layer by heat at the presence of a base or a base precursor upon putting together with a processing sheet coated with a binder and then peeling off the processing sheet to form an image on the heat-sensitive material and/or the processing sheet, the **photo**-sensitive material comprises a coupler, which reacts with an acidic material from the light-sensitive emulsion layer to contribute to an image formation, or a coupler, which reacts with an acid material in the **developer** not contributing to an image formation, in the light-sensitive emulsion layer. The method provides good image discrimination and reproduction of the gradation.

IT 152828-26-7 207352-67-8

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler for heat-developable silver halide **photog.**)

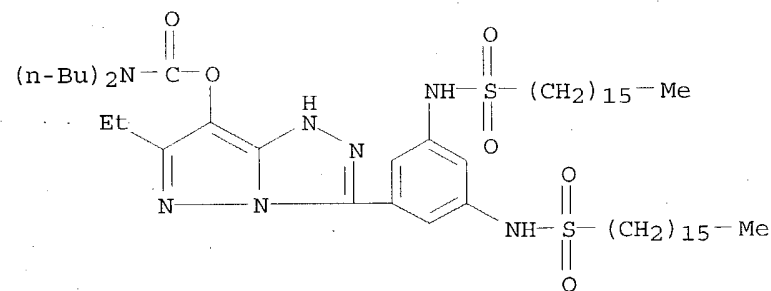
RN 152828-26-7 CAPLUS

CN Benzenesulfonamide, N-[4-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)-(9CI) (CA INDEX NAME)



RN 207352-67-8 CAPLUS

CN Carbamic acid, dibutyl-, 3-[3,5-bis[(hexadecylsulfonyl)amino]phenyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl ester (9CI) (CA INDEX NAME)



IC ICM G03C008-40
ICS G03C008-40; G03C008-50
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST image formation method heat development; **silver halide photosensitive photog**; coupler development silver halide **photog**
IT **Photographic couplers**
Photography
(Image formation method for silver halide **photog**. using heat development)
IT **Photographic films**
(heat-developable; Image formation method for silver halide **photog**. using heat development)
IT 152828-26-7 180200-98-0 207352-63-4 207352-65-6
207352-67-8 207352-68-9
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler for heat-developable silver halide **photog**.)

L40 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:154931 CAPLUS

DOCUMENT NUMBER: 128:250644

TITLE: Color diffusion-transfer **silver halide photosensitive** material and image formation using same

INVENTOR(S): Katsumata, Taiji; Nakamura, Takeki; Takeuchi, Kiyoshi; Morita, Kensuke; Naruse, Hideaki; Makuta, Toshiyuki

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 86 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10062937	A2	19980306	JP 1996-234664	19960819
PRIORITY APPLN. INFO.:			JP 1996-234664	19960819

OTHER SOURCE(S): MARPAT 128:250644

GI For diagram(s), see printed CA Issue.

AB The title material contains, in ≥ 1 of the hydrophilic colloid layers formed on a support, ≥ 1 coupler I (R1-3 = H or substituent; X = H, alkyl, aryl, sulfonyl, alkylthio, arylthio, aryloxy, cyano, heteroaryl, alkoxy, alkoxy carbonyl, carbamoyl, sulfamoyl, sulfonamido, carbonamido; G = aryloxy, heteroaryloxy, arylthio, carbamoyloxy, heteroarylthio, acyloxy, alkoxy carbonyloxy, aryloxy carbonyloxy) and ≥ 1 hydrazine-type color developing agent II (Z = carbamoyl, acyl, alkoxy carbonyl, aryloxy carbonyl; Q = atoms required to form an unsatd. ring along with the C atom). The material is heat-developed at 70-150° or developed in a solution or by developing with an alkaline processing solution to form an image. The coupler is colorless and diffusion

resistant and produces a high color quality diffusive dye rapidly with the color developing agent, and the material provides durable, high d. images.

IT 204778-41-6P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

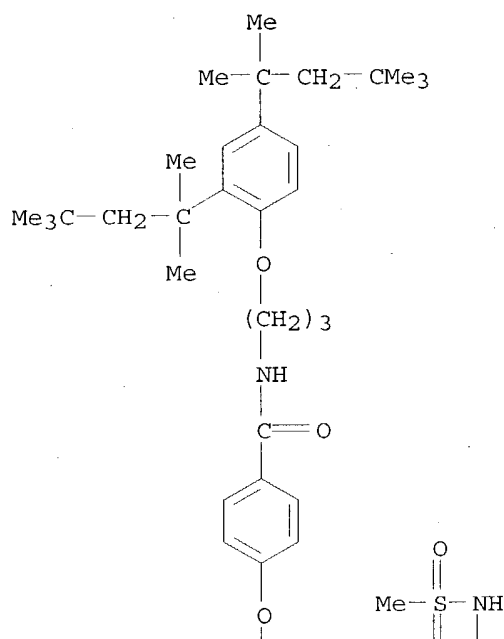
(coupler; color diffusion-transfer silver halide photog.

material using pyrazolotriazole magenta coupler)

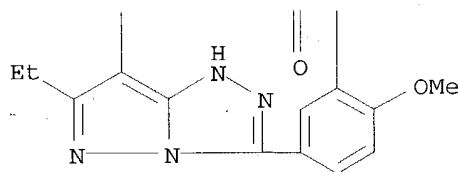
RN 204778-41-6 CAPLUS

CN Benzamide, N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-4-[[6-ethyl-3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)

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IT 204778-31-4 204778-33-6 204778-35-8
204778-37-0 204778-39-2 204778-43-8
204778-44-9 204778-46-1 204778-48-3

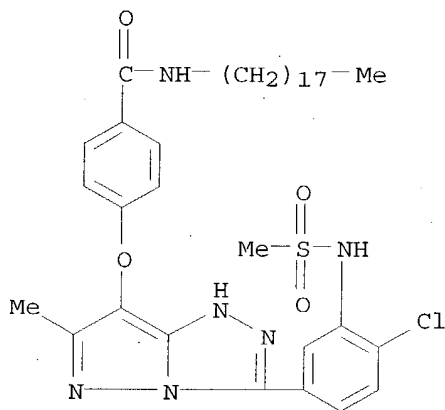
204778-49-4 204778-51-8 204778-53-0

204778-55-2 204778-57-4 204778-59-6

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; color diffusion-transfer silver halide **photog.**
material using pyrazolotriazole magenta coupler)

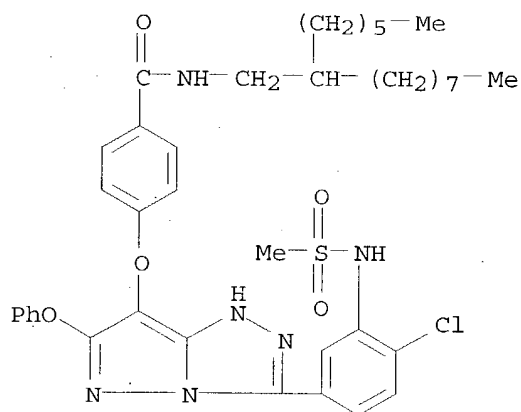
RN 204778-31-4 CAPLUS

CN Benzamide, 4-[[3-[4-chloro-3-[(methylsulfonyl)amino]phenyl]-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-N-octadecyl- (9CI) (CA INDEX NAME)



RN 204778-33-6 CAPLUS

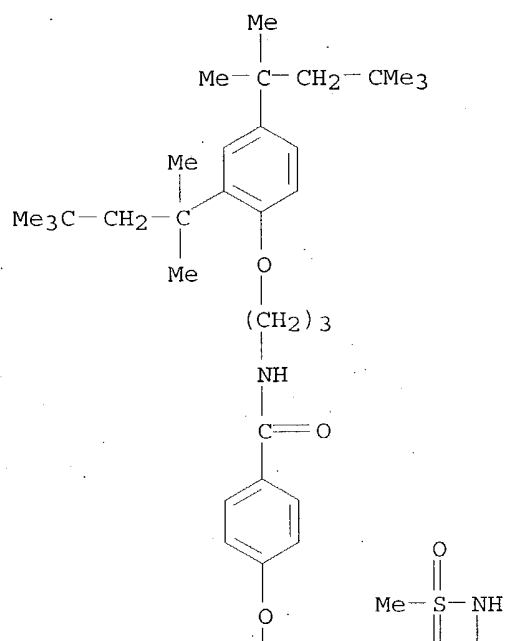
CN Benzamide, 4-[[3-[4-chloro-3-[(methylsulfonyl)amino]phenyl]-6-phenoxy-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-N-(2-hexyldecyl)- (9CI) (CA INDEX NAME)



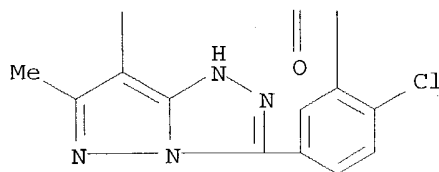
RN 204778-35-8 CAPLUS

CN Benzamide, N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-4-[[3-[4-chloro-3-[(methylsulfonyl)amino]phenyl]-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)

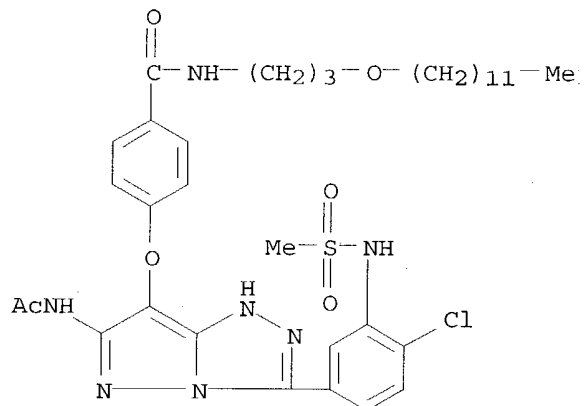
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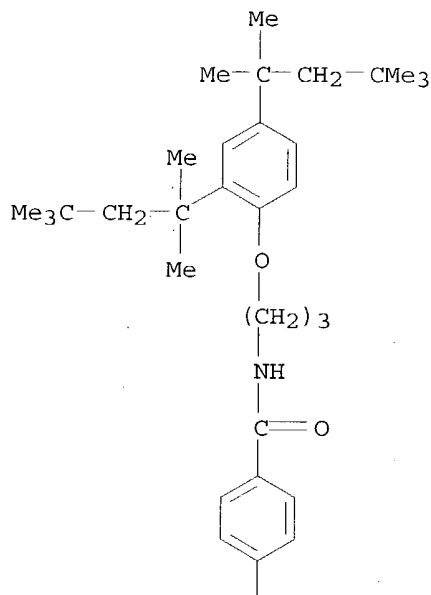
RN 204778-37-0 CAPLUS
 CN Benzamide, 4-[[6-(acetylamino)-3-[4-chloro-3-[(methanesulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-N-[3-(dodecyloxy)propyl]-
 (9CI) (CA INDEX NAME)



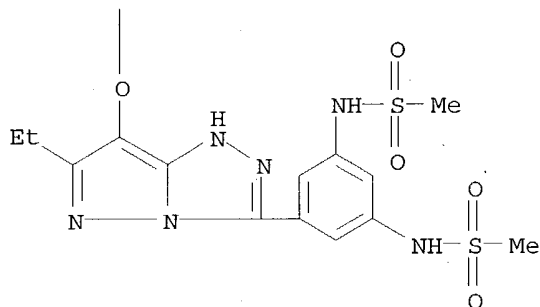
RN 204778-39-2 CAPLUS

CN Benzamide, 4-[[3-[3,5-bis[(methylsulfonyl)amino]phenyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

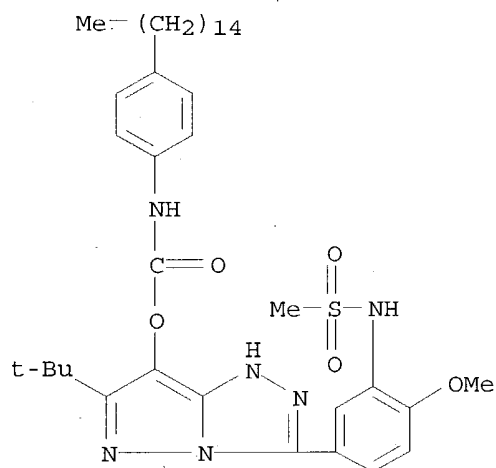


PAGE 2-A



RN 204778-43-8 CAPLUS

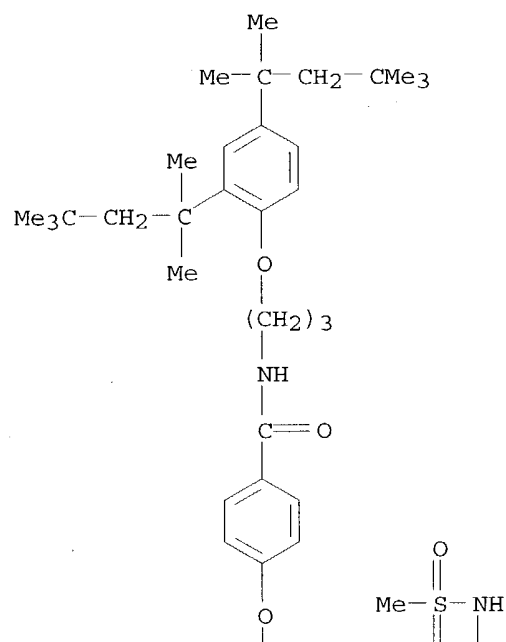
CN Carbamic acid, (4-pentadecylphenyl)-, 6-(1,1-dimethylethyl)-3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl ester (9CI) (CA INDEX NAME)



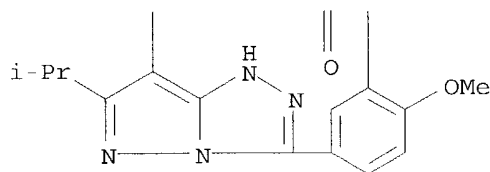
RN 204778-44-9 CAPLUS

CN Benzamide, N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-4-[[3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-6-(1-methylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)

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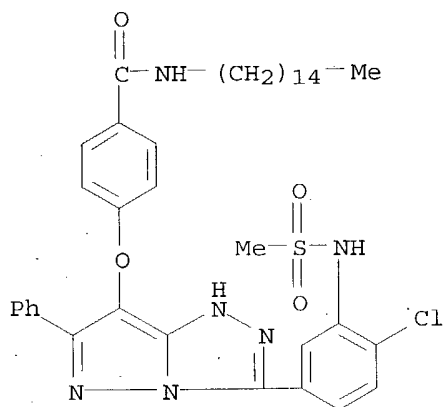


PAGE 2-A



RN 204778-46-1 CAPLUS

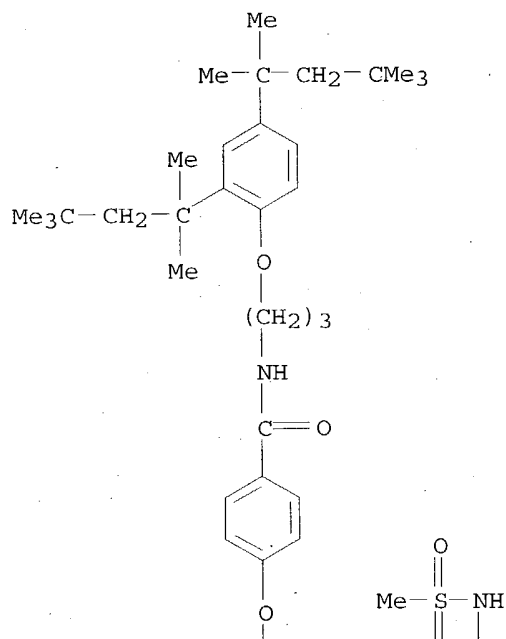
CN Benzamide, 4-[[6-(1-methylethyl)-3-[4-methyl-3-[[[3-
[(methylsulfonyl)amino]phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[5,1-c]-
1,2,4-triazol-7-yl]oxy]-N-octadecyl- (9CI) (CA INDEX NAME)



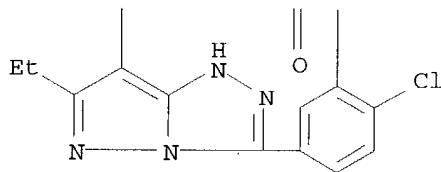
RN 204778-53-0 CAPLUS

CN Benzamide, N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-4-[[3-[4-chloro-3-[(methylsulfonyl)amino]phenyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-(9CI) (CA INDEX NAME)

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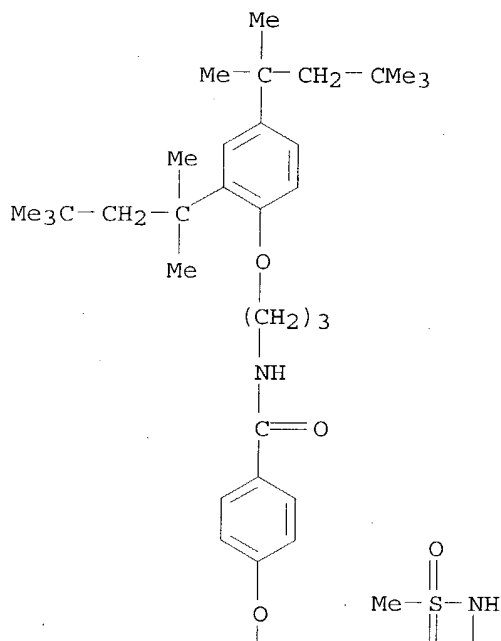


PAGE 2-A

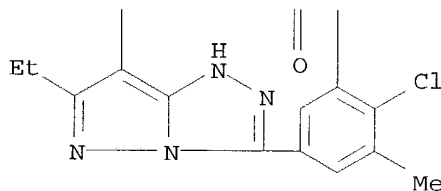


RN 204778-55-2 CAPLUS
 CN Benzamide, N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]-4-[[3-[4-chloro-3-methyl-5-[(methylsulfonyl)amino]phenyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)

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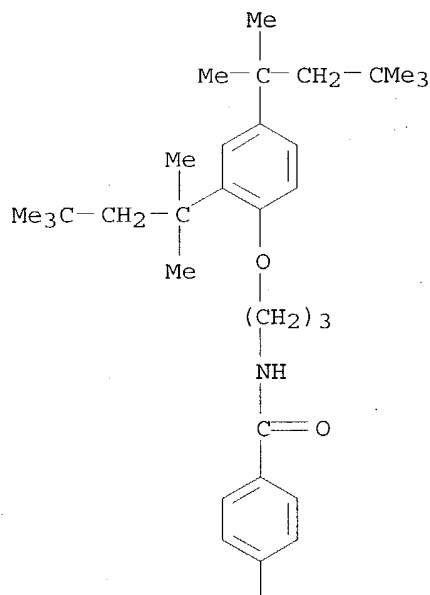
PAGE 2-A



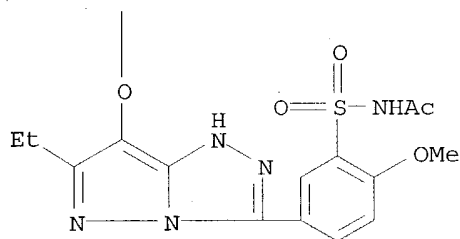
RN 204778-57-4 CAPLUS

CN Benzamide, 4-[[3-[3-[(acetylamino)sulfonyl]-4-methoxyphenyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-N-[3-[2,4-bis(1,1,3,3-tetramethylbutyl)phenoxy]propyl]- (9CI) (CA INDEX NAME)

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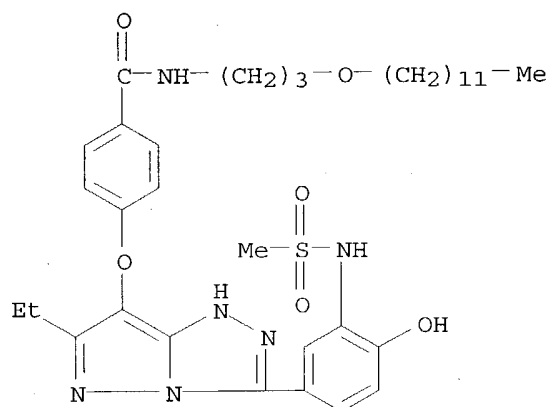


PAGE 2-A



RN 204778-59-6 CAPLUS

CN Benzamide, N-[3-(dodecyloxy)propyl]-4-[[6-ethyl-3-[4-hydroxy-3-[(methanesulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)



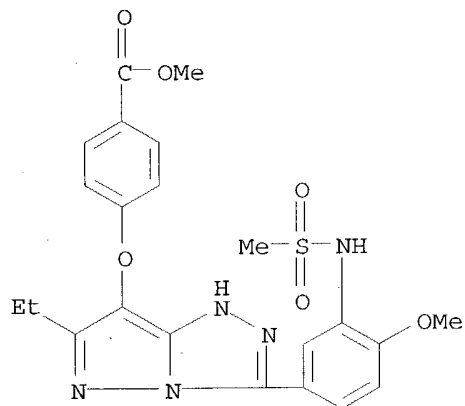
IT 204778-80-3P 204778-81-4P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediates; color diffusion-transfer silver halide photog
material using pyrazolotriazole magenta coupler from)

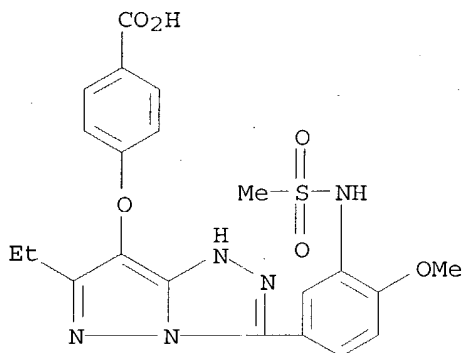
RN 204778-80-3 CAPLUS

CN Benzoic acid, 4-[[6-ethyl-3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 204778-81-4 CAPLUS

CN Benzoic acid, 4-[[6-ethyl-3-[4-methoxy-3-[(methylsulfonyl)amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]- (9CI) (CA INDEX NAME)



- IC ICM G03C008-40
ICS G03C008-40; G03C001-42; G03C007-00; G03C007-38; G03C007-392;
G03C007-407; G03C008-18; G03C008-32
- CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other
Reprographic Processes)
- ST diffusion transfer silver halide **photog** material;
pyrazolotriazole magenta coupler diffusion transfer **photog**;
color diffusion transfer **photog** hydrazine **developer**
- IT Magenta couplers
Photographic films
(color diffusion-transfer silver halide **photog.** material
using pyrazolotriazole magenta coupler)
- IT Photographic developers
(in color diffusion-transfer silver halide **photog.** material
using pyrazolotriazole magenta coupler)
- IT 110-78-1, Propyl isocyanate 302-01-2, Hydrazine, reactions 5188-07-8,
Sodium methylmercaptan 139152-08-2, 1,2-Dichloro-4,5-dicyanobenzene
RL: RCT (Reactant); RACT (Reactant or reagent)
(color diffusion-transfer silver halide **photog.** material
using pyrazolotriazole magenta coupler and **developer** from)
- IT 124-63-0, Methanesulfonyl chloride 2840-26-8 141500-45-0 204758-99-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(color diffusion-transfer silver halide **photog.** material
using pyrazolotriazole magenta coupler from)
- IT 204778-41-6P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(coupler; color diffusion-transfer silver halide **photog.**
material using pyrazolotriazole magenta coupler)
- IT 204778-31-4 204778-33-6 204778-35-8
204778-37-0 204778-39-2 204778-43-8
204778-44-9 204778-46-1 204778-48-3
204778-49-4 204778-51-8 204778-53-0
204778-55-2 204778-57-4 204778-59-6
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; color diffusion-transfer silver halide **photog.**
material using pyrazolotriazole magenta coupler)

IT 182297-02-5 182297-17-2 204273-26-7 204399-10-0 204758-66-7
 204758-68-9 204758-98-5 204778-63-2 204778-66-5 204778-69-8
 204778-70-1 204778-71-2 204778-72-3 204778-73-4 204778-74-5
 204778-75-6 204778-76-7 204778-77-8
 RL: TEM (Technical or engineered material use); USES (Uses)
 (developer; for color diffusion-transfer silver halide
 photog. material using pyrazolotriazole magenta coupler)

IT 182297-04-7P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material
 use); PREP (Preparation); USES (Uses)
 (developer; in color diffusion-transfer silver halide
 photog. material using pyrazolotriazole magenta coupler)

IT 182296-77-1P 182296-79-3P 182296-81-7P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
 (Reactant or reagent)
 (intermediate; color diffusion-transfer silver halide photog.
 material using pyrazolotriazole magenta coupler and developer
 from)

IT 204778-78-9P 204778-79-0P 204778-80-3P 204778-81-4P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
 (Reactant or reagent)
 (intermediates; color diffusion-transfer silver halide photog.
 material using pyrazolotriazole magenta coupler from)

L40 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:154905 CAPLUS
 DOCUMENT NUMBER: 128:250636
 TITLE: Silver halide photographic
 photosensitive material and image formation
 using same
 INVENTOR(S): Takeuchi, Kiyoshi
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 64 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10062893	A2	19980306	JP 1996-214885	19960814
JP 3519218	B2	20040412		
US 5851745	A	19981222	US 1997-908681	19970807
US 6071678	A	20000606	US 1998-144330	19980831
PRIORITY APPLN. INFO.:			JP 1996-214885 A	19960814
			US 1997-908681 A3	19970807

GI For diagram(s), see printed CA Issue.

AB The title material possesses, on a support, ≥ 1 photog.
 constitutive layers having ≥ 1 layers containing ≥ 1
 hydrazine-type color developing agent I (Z = carbamoyl, acyl, sulfamoyl,
 alkoxy carbonyl, aryloxy carbonyl, amidino, imidoyl; Q = atoms required to

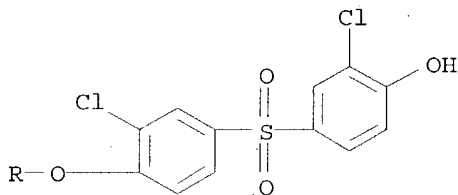
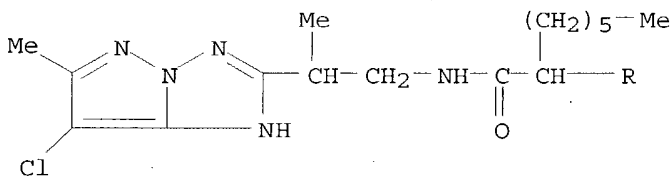
form an unsatd. ring along with the C atom) and ≥ 1 dye-forming coupler YlnMGY2m (M = coupler component that can occur coupling reaction with the oxidized product of I at the position where G links; G = H or group releasing upon coupling with the oxidized product; Y1, Y2 = group having a dissociating group with pKa 1-12; n, m = 0-3, n + m ≥ 1). The material is heat-developed at 65-180° or developed in a solution to form an image. The material provides high Dmax images and is independent of the temperature upon development.

IT 204704-71-2 204704-72-3 204704-77-8
204704-78-9

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; **photog.** material containing hydrazine-type
developer and coupler with enhanced maximum color d.)

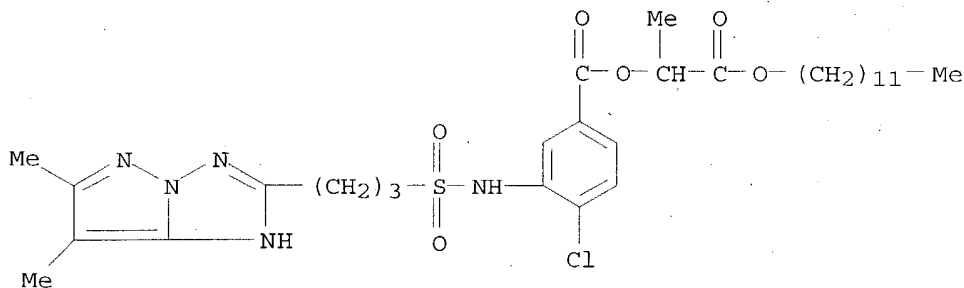
RN 204704-71-2 CAPLUS

CN Octanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[2-(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]- (9CI)
(CA INDEX NAME)



RN 204704-72-3 CAPLUS

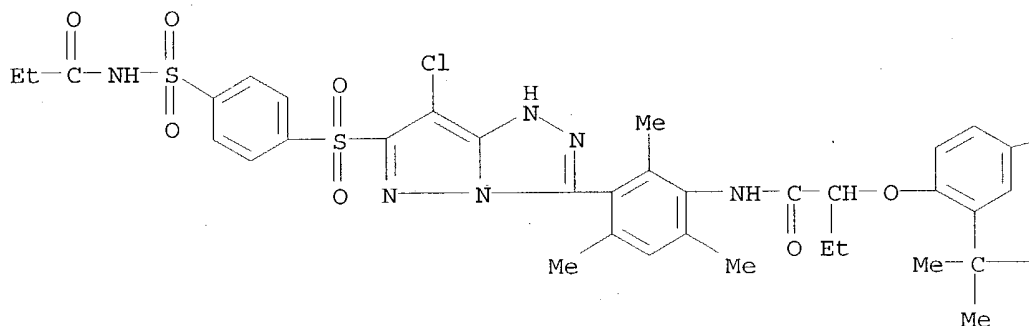
CN Benzoic acid, 4-chloro-3-[[[3-(6,7-dimethyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]sulfonyl]amino]-, 2-(dodecyloxy)-1-methyl-2-oxoethyl ester (9CI) (CA INDEX NAME)



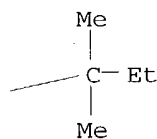
RN 204704-77-8 CAPLUS

CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[3-[7-chloro-6-[[4-[(1-oxopropyl)amino]sulfonyl]phenyl]sulfonyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]-2,4,6-trimethylphenyl]- (9CI) (CA INDEX NAME)

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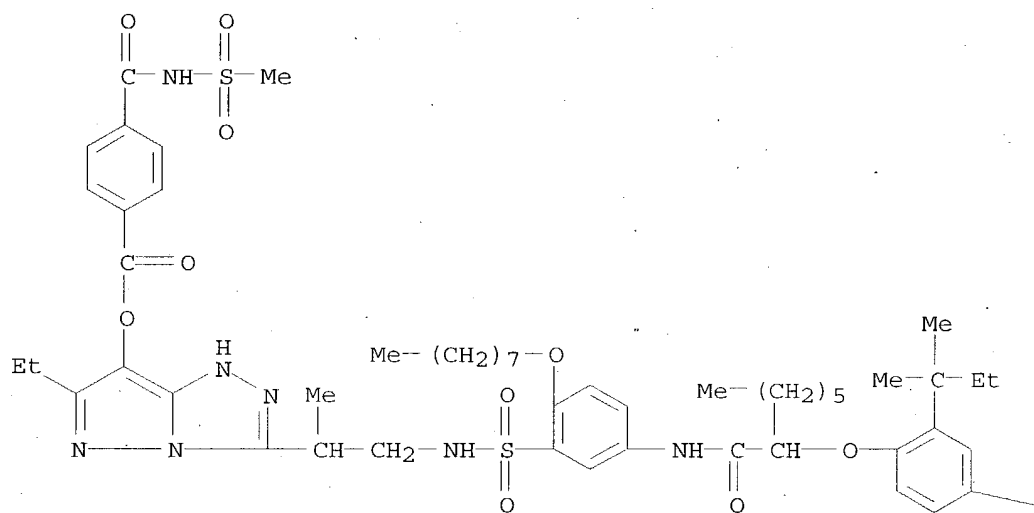


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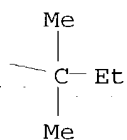
RN 204704-78-9 CAPLUS

CN Benzoic acid, 4-[[[(methylsulfonyl)amino]carbonyl]-, 3-[2-[[[5-[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxooctyl]amino]-2-(octyloxy)phenyl]sulfonyl]amino]-1-methylethyl]-6-ethyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl ester (9CI) (CA INDEX NAME)

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IC ICM G03C001-42
 ICS G03C007-00; G03C007-32; G03C007-392; G03C007-407; G03C008-40
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other
 Reprographic Processes)
 ST silver halide **photog** max color density; hydrazine color
developer coupler **photog**; thermal development silver

halide photog; soln development silver halide photog

IT Photographic couplers

Photographic developers

(photog. material containing hydrazine-type developer and coupler with enhanced maximum color d.)

IT 204704-71-2 204704-72-3 204704-73-4 204704-74-5

204704-75-6 204704-76-7 204704-77-8 204704-78-9

204704-79-0 204704-80-3 204704-81-4 204704-82-5

RL: TEM (Technical or engineered material use); USES (Uses)

(coupler; photog. material containing hydrazine-type developer and coupler with enhanced maximum color d.)

IT 182296-83-9P 182296-85-1P 182296-87-3P 182296-93-1P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediates; photog. material containing hydrazine-type developer from)

IT 182296-98-6P 182297-11-6P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(photog. material containing hydrazine-type developer and coupler with enhanced maximum color d.)

IT 9017-09-8 182297-23-0 191231-09-1

RL: TEM (Technical or engineered material use); USES (Uses)

(photog. material containing hydrazine-type developer and coupler with enhanced maximum color d.)

IT 302-01-2, Hydrazine, reactions 1878-18-8 61053-26-7 139152-08-2

154136-31-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(photog. material containing hydrazine-type developer from)

L40 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:803670 CAPLUS

DOCUMENT NUMBER: 128:121632

TITLE: Heat-developable color **photosensitive** material

INVENTOR(S): Taguchi, Toshiki; Takeuchi, Kiyoshi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 79 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09325464	A2	19971216	JP 1996-163670	19960605
PRIORITY APPLN. INFO.:			JP 1996-163670	19960605

AB The heat-developable color **photosensitive** material comprises ≥ 2 **photosensitive** emulsion layers containing a **photosensitive silver halide**, a binder, a

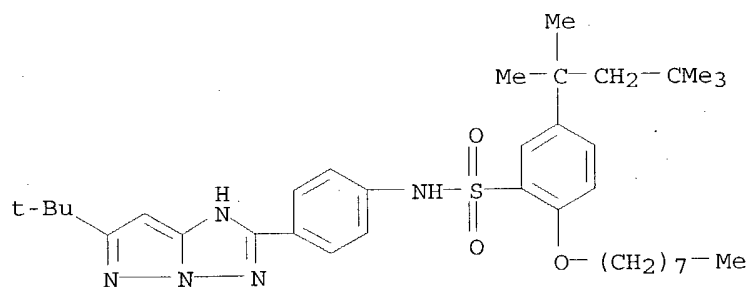
coupler, and **developers** on a support. The each emulsion layer has spectral sensitivity toward a different light wave region and a practically non-**photosensitive** middle layer is interposed between the emulsion layers, wherein at least one of the middle layers contains a coupler which couples with the **developer** but which does not form a color image. The material provides improved image discrimination and improved color reproducibility without effecting on the other **photog.** characteristics.

IT 152828-26-7 201541-61-9

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler in middle layer for heat-developable color
photosensitive material)

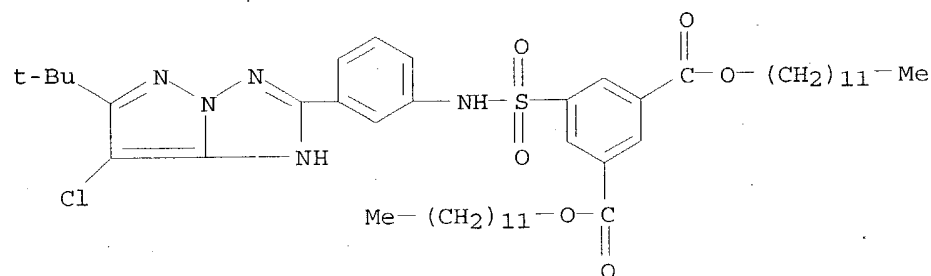
RN 152828-26-7 CAPLUS

CN Benzenesulfonamide, N-[4-[6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)-
(9CI) (CA INDEX NAME)



RN 201541-61-9 CAPLUS

CN 1,3-Benzenedicarboxylic acid, 5-[[[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]sulfonyl]-, didodecyl ester (9CI) (CA INDEX NAME)



IC ICM G03C008-40

ICS G03C008-40; G03C008-42

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST heat develop color **photosensitive** material; emulsion layer
coupler **photosensitive** material

IT Light-sensitive materials

Photographic couplers

(heat-developable color photosensitive material)

IT 99661-33-3 152828-26-7 201541-61-9 201541-62-0
201541-63-1 201541-64-2

RL: TEM (Technical or engineered material use); USES (Uses)
(coupler in middle layer for heat-developable color
photosensitive material)

L40 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:499966 CAPLUS

DOCUMENT NUMBER: 127:128655

TITLE: Method for color imaging by thermal development

INVENTOR(S): Taguchi, Toshiki; Miyake, Kiyoteru

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 82 pp.

CODEN: JKXXAF

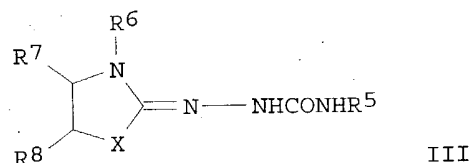
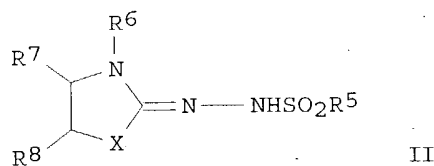
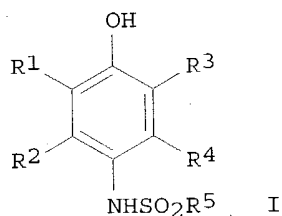
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09146246	A2	19970606	JP 1995-322454	19951117
JP 3522931	B2	20040426		
US 5843628	A	19981201	US 1996-746844	19961115
PRIORITY APPLN. INFO.: GI			JP 1995-322454 A	19951117



AB A thermal development color photosensitive material possessing
at least a photosensitive silver halide, a

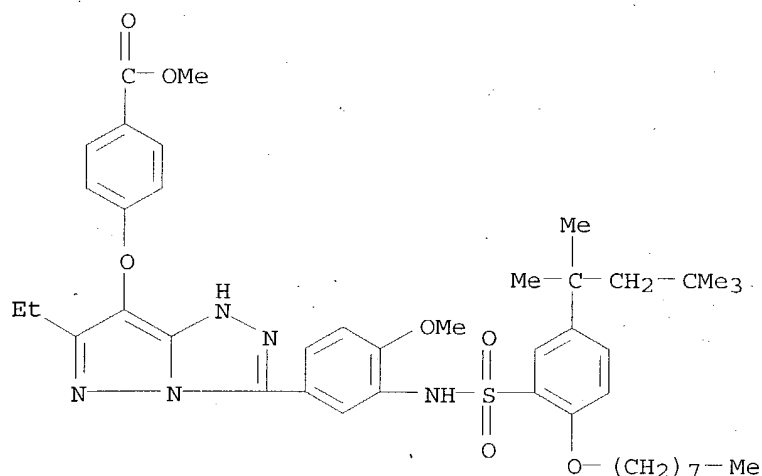
binder, a coupler, a reducing agent, and a sparingly water-soluble basic metal compound on a support is placed through a small quantity of H₂O on top of a sheet of a complexing agent containing a complexing agent against the metal ions of the basic metal compound on a support and subjected to thermal development to obtain color images on the **photosensitive** material, wherein the AgCl content ratio of the **photosensitive silver halide** grains is ≥ 80 mol%, and the complexing agent sheet contains phys. development nuclei and a silver halide solubilizing agent, and the reducing agent is at least one of compds. represented by N-sulfonyl-p-hydroxyaniline derivs. (I; R₁ - R₄ = H, halo, alkyl, aryl, alkylcarbonamido, arylcarbonamido, alkylsulfonamido, arylsulfonamido, alkoxy, aryloxy, arylthio, alkylcarbamoyle, arylcarbamoyle, CONH₂, alkylsulfamoyle, arylsulfamoyle, SO₂NH₂, cyano, alkylsulfonyl, arylsulfonyl, etc.; R₅ = alkyl, aryl, heterocyclyl), Z=CNHNHSO₂R₅ (Z = a group of atoms forming an aromatic or heterocyclic ring; when Z = benzene ring, a total of the Hammett consts. of the substituent is ≥ 1), Z=CNHNHCONHR₅ (Z, R₅ = same as above), sulfonylhydrazone derivs. (II; R₅ = same as above; R₆ = alkyl; R₇, R₈ = H, substituent), and carbamoylehydrazone derivs. (III; R₅ - R₈ = same as above). This imaging method is excellent in image discrimination and stability of color images after processing.

IT 192711-16-3

RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** coupler; color **photog.** imaging by thermal development)

RN 192711-16-3 CAPLUS

CN Benzoic acid, 4-[[[6-ethyl-3-[4-methoxy-3-[[[2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]amino]phenyl]-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



IC ICM G03C008-40

ICS G03C001-498; G03C005-00; G03C008-28

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other

Reprographic Processes)

ST color imaging thermal development; thermal development color
photog film; reducing agent sulfonylhydroxyaniline;
sulfonylhydrazone reducing agent; carbamoylhydrazone reducing agent

IT **Photographic** development
(color **photog.** imaging by thermal development)

IT 7440-22-4, Silver, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(colloidal, complexing agent sheet containing; color **photog.**
imaging by thermal development)

IT 66-22-8, Uracil, uses 7757-83-7 12648-43-0, Palladium sulfide
98634-73-2, Hydantoin potassium salt
RL: TEM (Technical or engineered material use); USES (Uses)
(complexing agent sheet containing; color **photog.** imaging by
thermal development)

IT 130768-46-6 183130-83-8 190184-77-1
RL: TEM (Technical or engineered material use); USES (Uses)
(main **developer**; color **photog.** imaging by thermal
development)

IT 192711-16-3 192711-17-4
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** coupler; color **photog.** imaging by thermal
development)

L40 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:499025 CAPLUS

DOCUMENT NUMBER: 127:197688

TITLE: **Silver halide color**

photosensitive material and method for
manufacturing color filter using said material

INVENTOR(S): Mizukawa, Hiroki; Igarashi, Tatsuya; Hirai, Hiroyuki

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 50 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

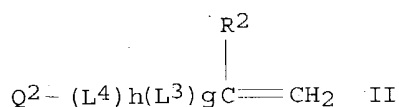
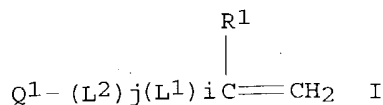
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09189986	A2	19970722	JP 1996-296704	19961108
US 5994047	A	19991130	US 1996-745856	19961108
PRIORITY APPLN. INFO.:			JP 1995-293154	19951110

GI



AB The title material contains at least one polymer coupler selected from a copolymer derived from a yellow coupler monomer represented by $Q^1(L^2)_j(L^1)_iC(R^1):CH_2$ (I) [R^1 = alkyl, etc.; L^1 = CO_2 , etc.; L^2 = divalent linking moiety; i, j = 0 or 1; Q^1 = yellow coupler residue which reacts with an oxidized aromatic primary amine **developer** to form a yellow dye] and a magenta coupler monomer represented by $Q^2(L^4)_h(L^3)_gC(R^3):CH_2$ (II) [R^3 = alkyl, etc.; L^3 = CO_2 , etc.; L^4 = divalent linking moiety; g, h = 0 or 1; Q^2 = magenta coupler residue which reacts with an oxidized aromatic primary amine **developer** to form a magenta dye] and a copolymer derived from monomer I, monomer II, and a non-color-forming monomer which has ≥ 1 ethylene group and which cannot react with an oxidized aromatic primary amine **developer**. A method for manufacturing color filter using the title material is also described. The use of the title material gives high quality images.

IT 131851-86-0 155040-08-7

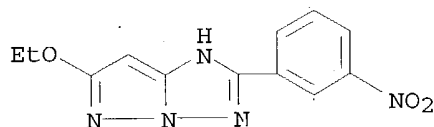
RL: RCT (Reactant); RACT (Reactant or reagent)

(silver halide color photosensitive

material and method for manufacturing color filter using said material)

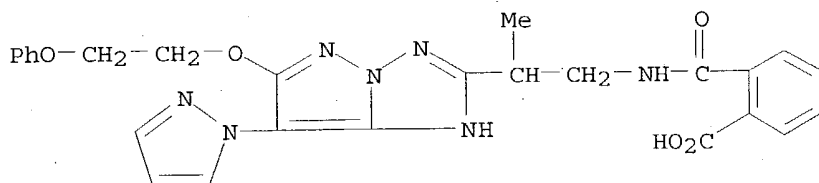
RN 131851-86-0 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



RN 155040-08-7 CAPLUS

CN Benzoic acid, 2-[[[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



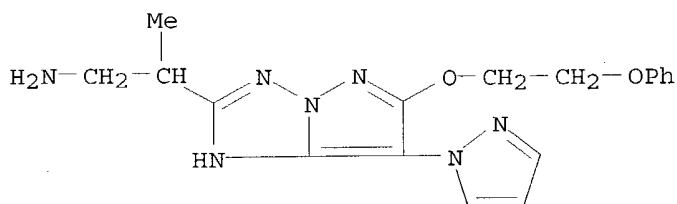
IT 194413-27-9P 194413-28-0P 194413-29-1P
194413-30-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(silver halide color photosensitive

material and method for manufacturing color filter using said material)

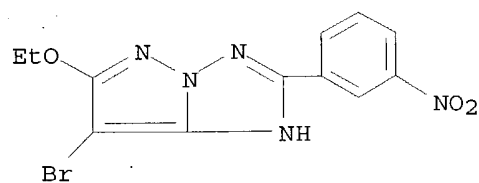
RN 194413-27-9 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole-2-ethanamine, beta-methyl-6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



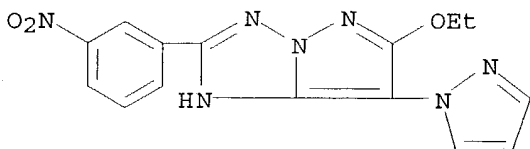
RN 194413-28-0 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 7-bromo-6-ethoxy-2-(3-nitrophenyl)-
(9CI) (CA INDEX NAME)

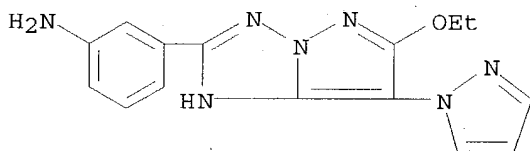


RN 194413-29-1 CAPLUS

CN 1H-Pyrazolo[1,5-b][1,2,4]triazole, 6-ethoxy-2-(3-nitrophenyl)-7-(1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)

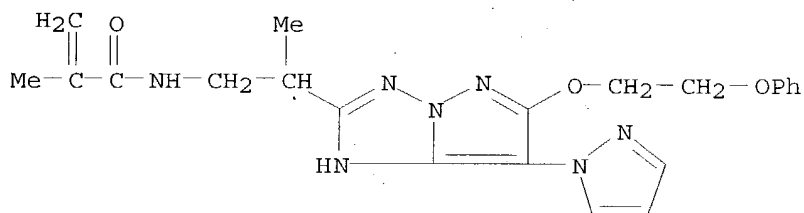


RN 194413-30-4 CAPLUS
 CN Benzenamine, 3-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]- (9CI) (CA INDEX NAME)



IT 140212-42-6P 194412-80-1P 194413-18-8P
 194413-19-9P
 RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (silver halide color photosensitive material and method for manufacturing color filter using said material)

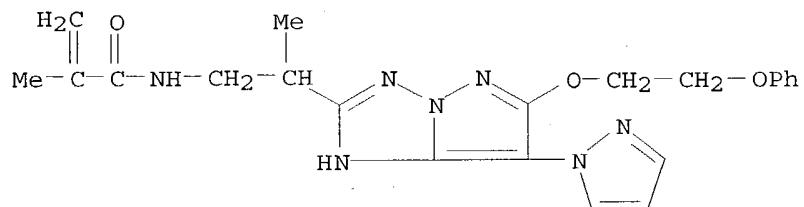
RN 140212-42-6 CAPLUS
 CN 2-Propenamide, 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]- (9CI) (CA INDEX NAME)



RN 194412-80-1 CAPLUS
 CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

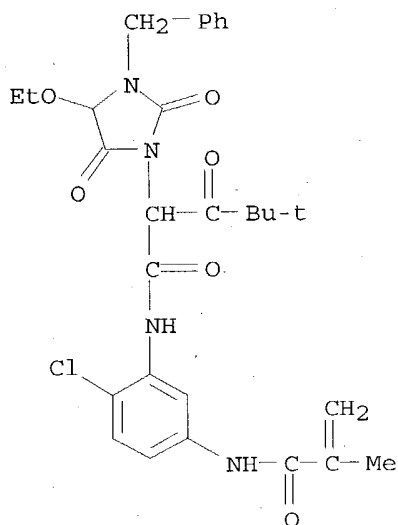
CRN 140212-42-6
 CMF C22 H25 N7 O3



CM 2

CRN 86701-94-2

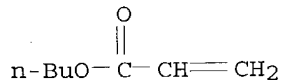
CMF C29 H33 Cl N4 O6



CM 3

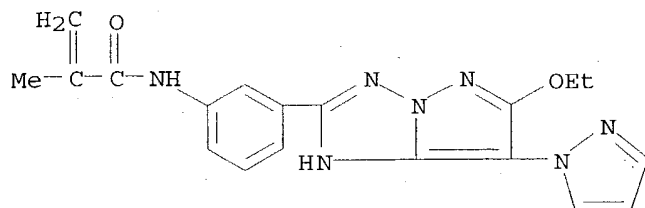
CRN 141-32-2

CMF C7 H12 O2



RN 194413-18-8 CAPLUS

CN 2-Propenamide, N-[3-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl- (9CI) (CA INDEX NAME)



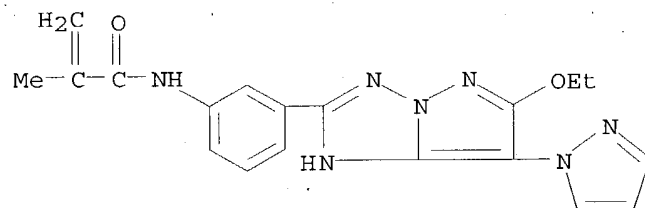
RN 194413-19-9 CAPLUS.

CN 2-Propenoic acid, butyl ester, polymer with α -(2,2-dimethyl-1-oxopropyl)-N-[2-methoxy-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[3-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194413-18-8

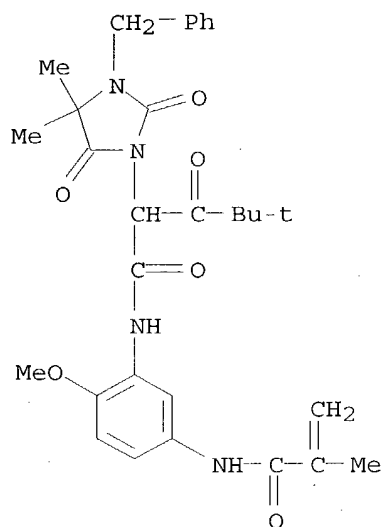
CMF C19 H19 N7 O2



CM 2

CRN 189815-06-3

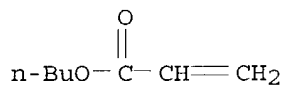
CMF C30 H36 N4 O6



CM 3

CRN 141-32-2

CMF C7 H12 O2



IT 194412-81-2 194412-83-4 194412-84-5
 194412-85-6 194412-86-7 194412-87-8
 194412-88-9 194412-90-3 194412-92-5
 194412-94-7 194412-96-9 194412-98-1
 194412-99-2 194413-00-8 194413-01-9
 194413-02-0 194413-04-2 194413-06-4
 194413-08-6 194413-11-1 194413-13-3
 194413-15-5 194413-17-7

RL: TEM (Technical or engineered material use); USES (Uses)

(silver halide color photosensitive

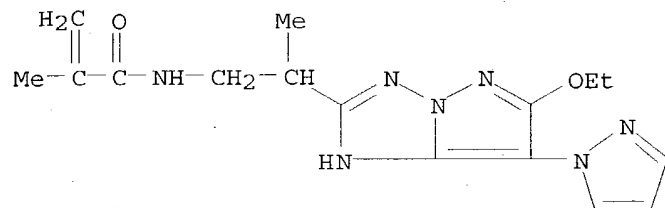
material and method for manufacturing color filter using said material)

RN 194412-81-2 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

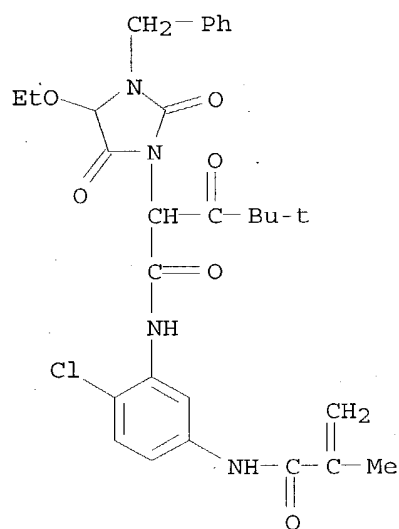
CM 1

CRN 189814-85-5
CMF C16 H21 N7 O2



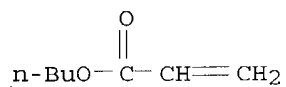
CM 2

CRN 86701-94-2
CMF C29 H33 Cl N4 O6



CM 3

CRN 141-32-2
CMF C7 H12 O2



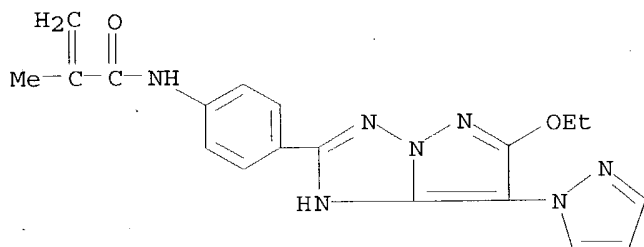
RN 194412-83-4 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[4-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-82-3

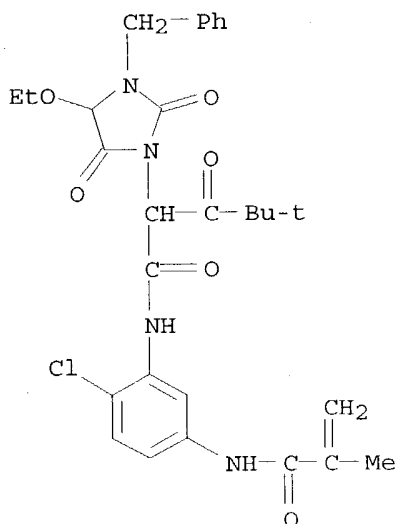
CMF C19 H19 N7 O2



CM 2

CRN 86701-94-2

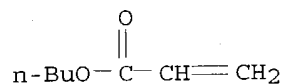
CMF C29 H33 Cl N4 O6



CM 3

CRN 141-32-2

CMF C7 H12 O2



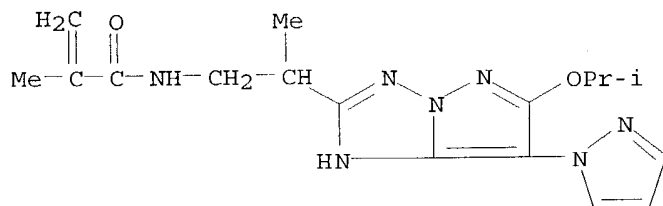
RN 194412-84-5 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(1-methylethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 189814-87-7

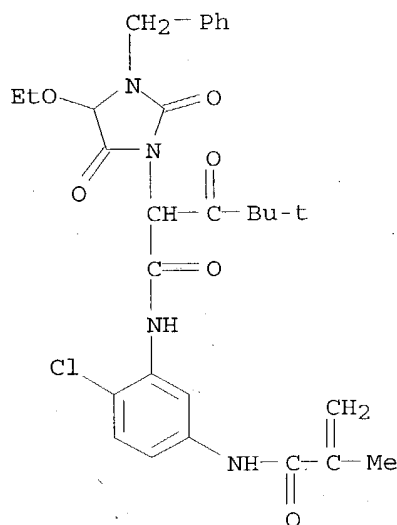
CMF C17 H23 N7 O2



CM 2

CRN 86701-94-2

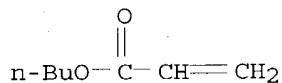
CMF C29 H33 Cl N4 O6



CM 3

CRN 141-32-2

CMF C7 H12 O2



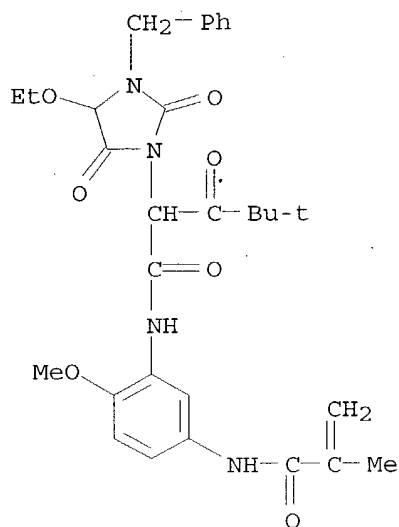
RN 194412-85-6 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-N-[2-methoxy-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194153-08-7

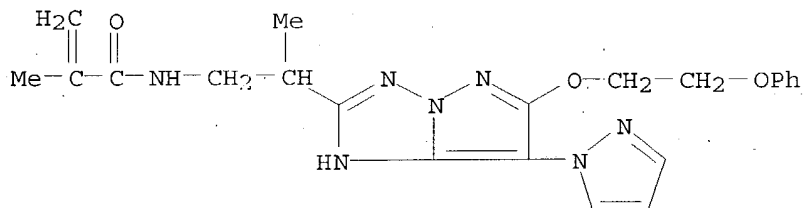
CMF C30 H36 N4 O7



CM 2

CRN 140212-42-6

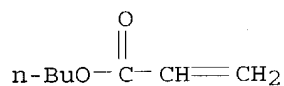
CMF C22 H25 N7 O3



CM 3

CRN 141-32-2

CMF C7 H12 O2



RN 194412-86-7 CAPLUS

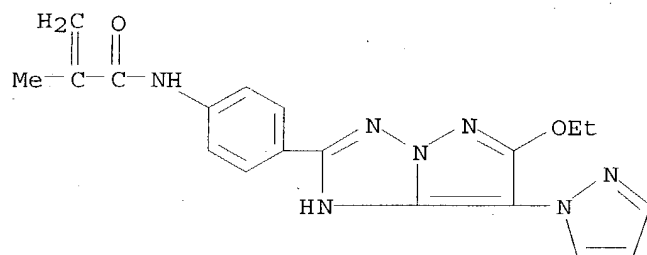
CN 2-Propenoic acid, butyl ester, polymer with α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-N-[2-methoxy-5-[(2-methyl-1-oxo-2-propenyl)aminophenyl]-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide

and N-[4-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-82-3

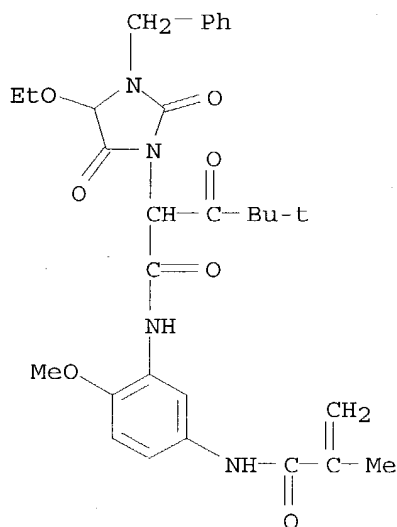
CMF C19 H19 N7 O2



CM 2

CRN 194153-08-7

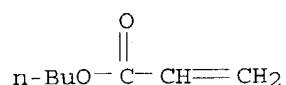
CMF C30 H36 N4 O7



CM 3

CRN 141-32-2

CMF C7 H12 O2



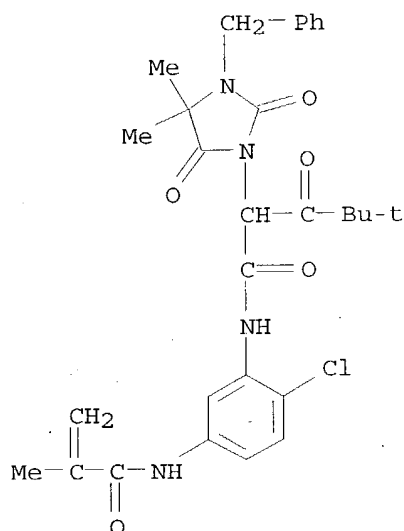
RN 194412-87-8 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 189814-67-3

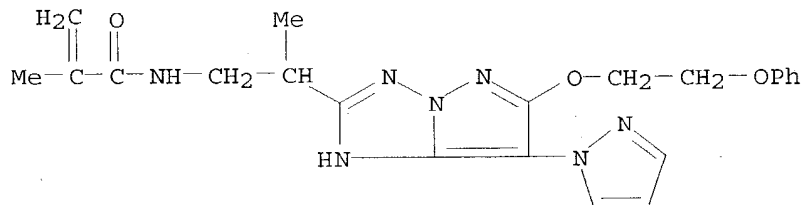
CMF C29 H33 Cl N4 O5



CM 2

CRN 140212-42-6

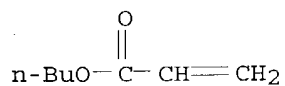
CMF C22 H25 N7 O3



CM 3

CRN 141-32-2

CMF C7 H12 O2



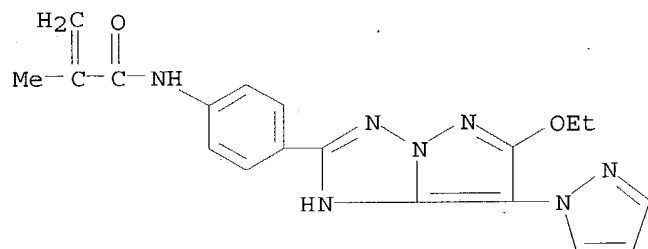
RN 194412-88-9 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[4-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-82-3

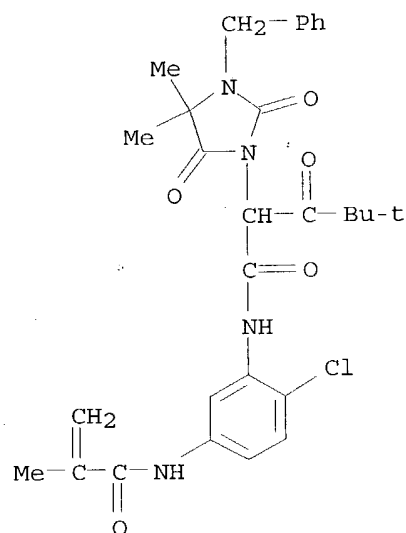
CMF C19 H19 N7 O2



CM 2

CRN 189814-67-3

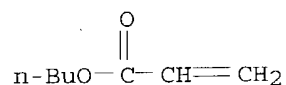
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CM 3

CRN 141-32-2

CMF C7 H12 O2



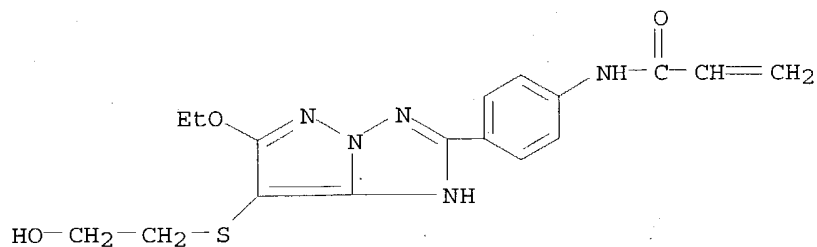
RN 194412-90-3 CAPLUS

CN 2-Propenoic acid, ethyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[4-[6-ethoxy-7-[(2-hydroxyethyl)thio]-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-89-0

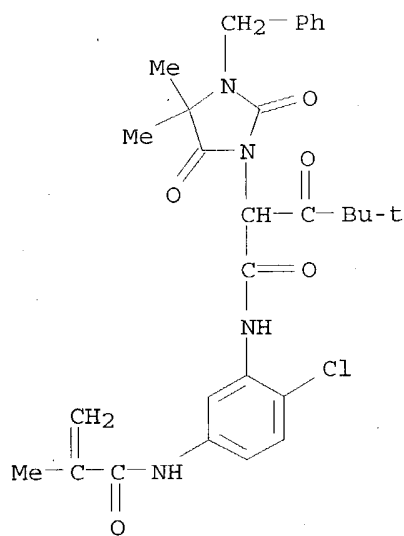
CMF C17 H19 N5 O3 S



CM 2

CRN 189814-67-3

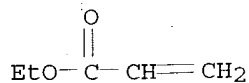
CMF C29 H33 Cl N4 O5



CM 3

CRN 140-88-5

CMF C5 H8 O2



RN 194412-92-5 CAPLUS

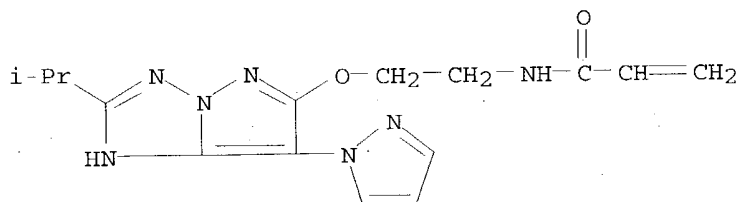
CN 2-Propenoic acid, methyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-4,4-

dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and
 N-[2-[[2-(1-methylethyl)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-
 b][1,2,4]triazol-6-yl]oxy]ethyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-91-4

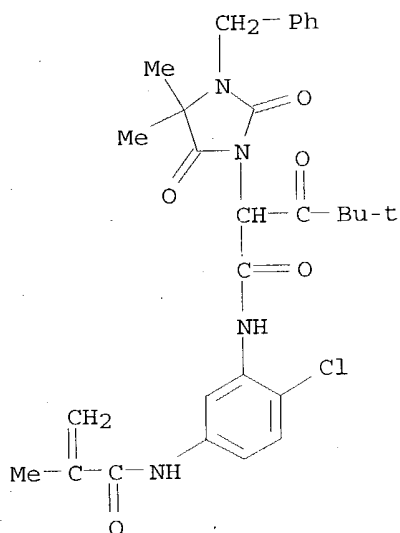
CMF C15 H19 N7 O2



CM 2

CRN 189814-67-3

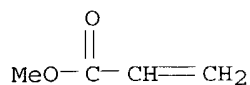
CMF C29 H33 Cl N4 O5



CM 3

CRN 96-33-3

CMF C4 H6 O2



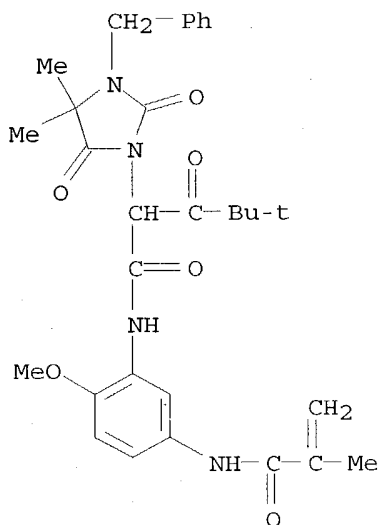
RN 194412-94-7 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with α -(2,2-dimethyl-1-oxopropyl)-N-[2-methoxy-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 189815-06-3

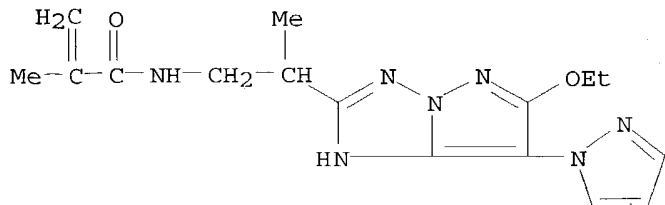
CMF C30 H36 N4 O6

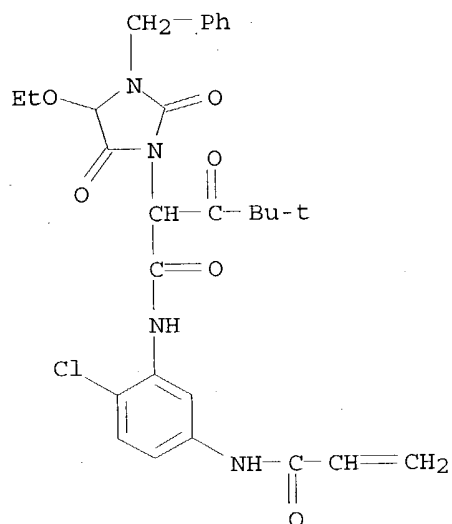


CM 2

CRN 189814-85-5

CMF C16 H21 N7 O2

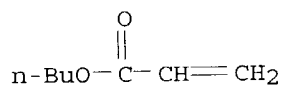




CM 3

CRN 141-32-2

CMF C7 H12 O2



RN 194412-98-1 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-5,5-dimethyl-2,4-dioxo-3-oxazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

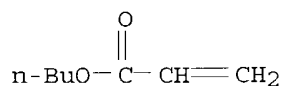
CRN 194412-97-0

CMF C22 H26 Cl N3 O6

CM 3

CRN 141-32-2

CMF C7 H12 O2



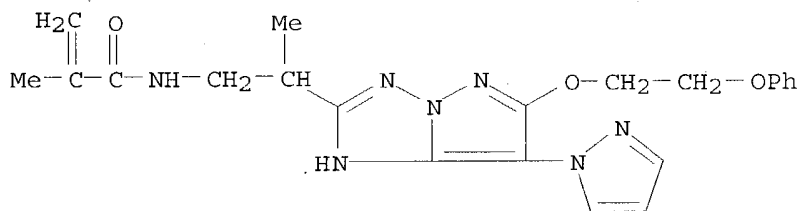
RN 194412-96-9 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 140212-42-6

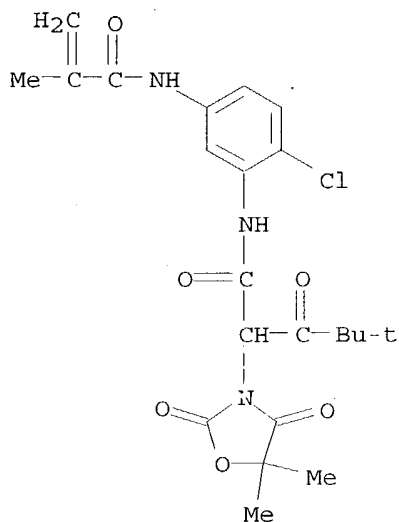
CMF C22 H25 N7 O3



CM 2

CRN 116462-86-3

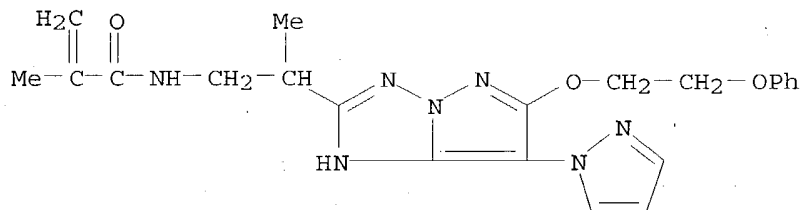
CMF C28 H31 Cl N4 O6



CM 2

CRN 140212-42-6

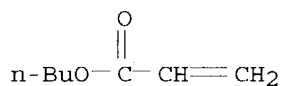
CMF C22 H25 N7 O3



CM 3

CRN 141-32-2

CMF C7 H12 O2



RN 194412-99-2 CAPLUS

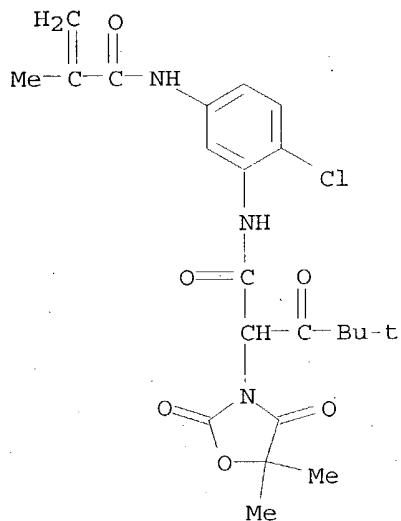
CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)aminolphenyl]-α-(2,2-dimethyl-1-oxopropyl)-5,5-dimethyl-2,4-dioxo-3-oxazolidineacetamide and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-

pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI)
(CA INDEX NAME)

CM 1

CRN 194412-97-0

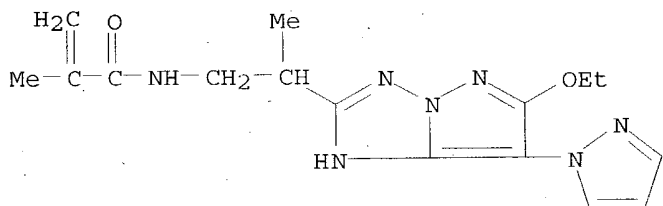
CMF C22 H26 Cl N3 O6



CM 2

CRN 189814-85-5

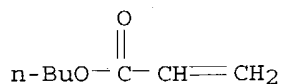
CMF C16 H21 N7 O2



CM 3

CRN 141-32-2

CMF C7 H12 O2



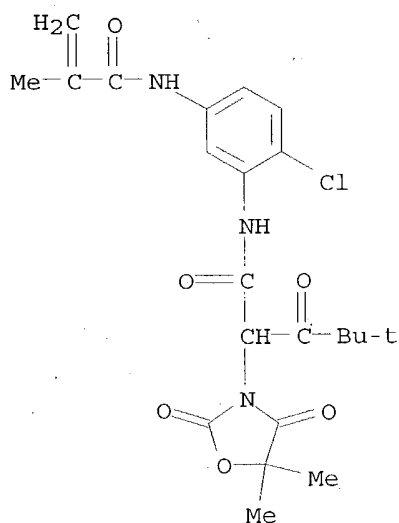
RN 194413-00-8 CAPLUS

CN 2-Propenoic acid, 2-ethylhexyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]- α -(2,2-dimethyl-1-oxopropyl)-5,5-dimethyl-2,4-dioxo-3-oxazolidineacetamide and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194412-97-0

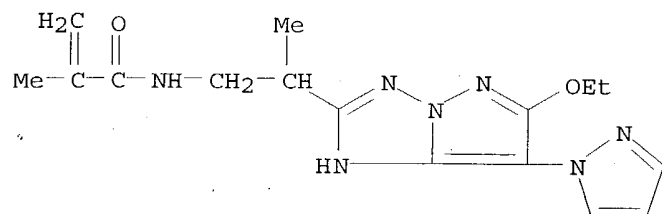
CMF C22 H26 Cl N3 O6



CM 2

CRN 189814-85-5

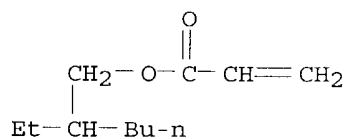
CMF C16 H21 N7 O2



CM 3

CRN 103-11-7

CMF C11 H20 O2



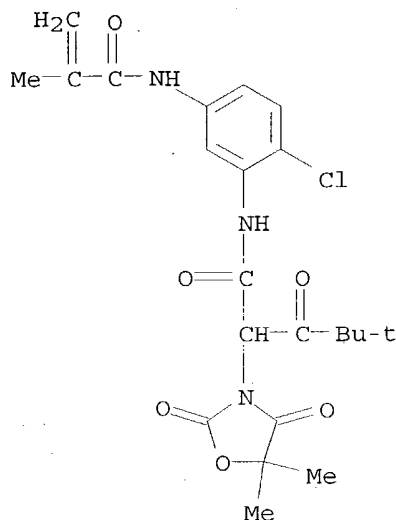
RN 194413-01-9 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-5,5-dimethyl-2,4-dioxo-3-oxazolidineacetamide and N-[4-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI)
(CA INDEX NAME)

CM 1

CRN 194412-97-0

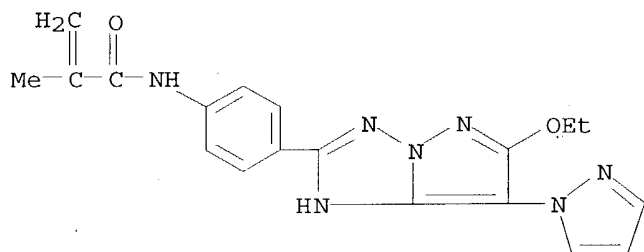
CMF C22 H26 Cl N3 O6



CM. 2

CRN 194412-82-3

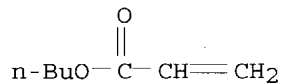
CMF C19 H19 N7 O2



CM 3

CRN 141-32-2

CMF C7 H12 O2



RN 194413-02-0 CAPLUS

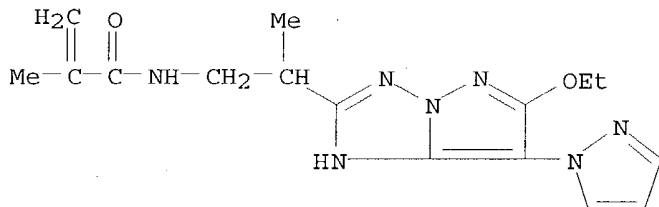
CN 2-Propenoic acid, butyl ester, polymer with α -(2,2-dimethyl-1-oxopropyl)-N-[2-methoxy-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-5,5-

dimethyl-2,4-dioxo-3-oxazolidineacetamide and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 189814-85-5

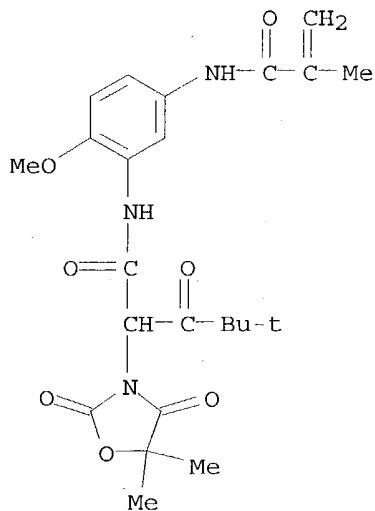
CMF C16 H21 N7 O2



CM 2

CRN 189814-69-5

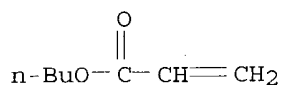
CMF C23 H29 N3 O7



CM 3

CRN 141-32-2

CMF C7 H12 O2



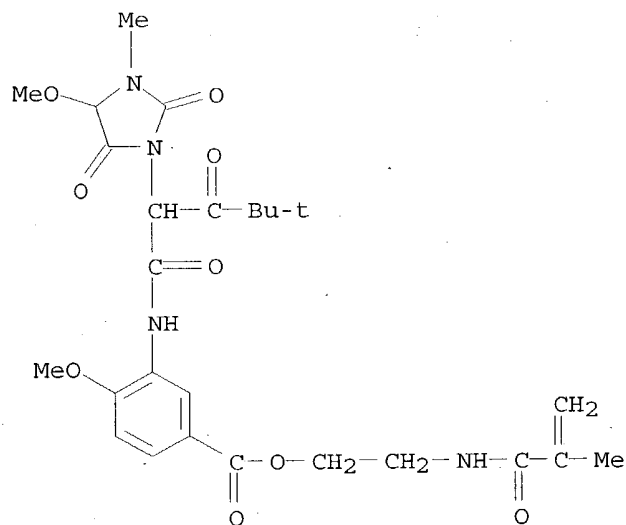
RN 194413-04-2 CAPLUS

CN Benzoic acid, 4-methoxy-3-[[2-(4-methoxy-3-methyl-2,5-dioxo-1-imidazolidinyl)-4,4-dimethyl-1,3-dioxopentyl]amino]-, 2-[(2-methyl-1-oxo-2-propenyl)amino]ethyl ester, polymer with N-[4-[6-(1,1-dimethylethyl)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-propenamide and 2-methyl-2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 194413-03-1

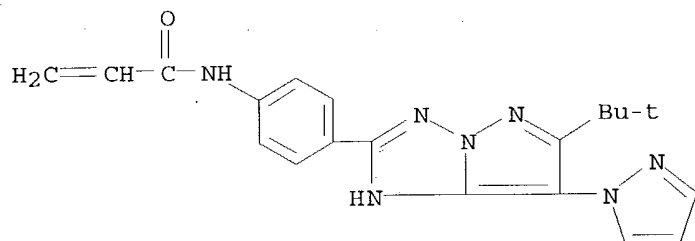
CMF C26 H34 N4 O9



CM 2

CRN 189814-81-1

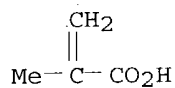
CMF C20 H21 N7 O



CM 3

CRN 79-41-4

CMF C4 H6 O2



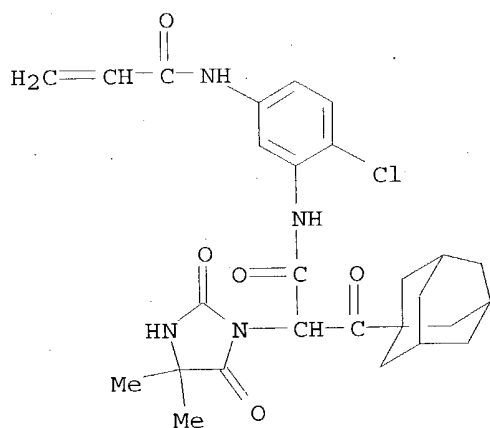
RN 194413-06-4 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(1-oxo-2-propenyl)amino]phenyl]-4,4-dimethyl-2,5-dioxo- α -(tricyclo[3.3.1.1.3,7]dec-1-ylcarbonyl)-1-imidazolidineacetamide and N-[4-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194413-05-3

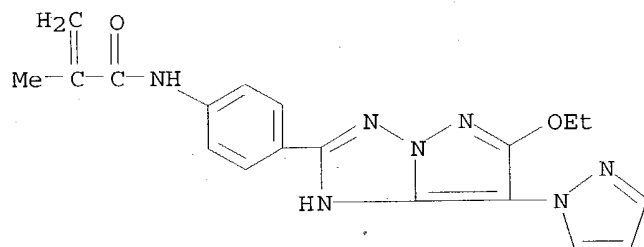
CMF C27 H31 Cl N4 O5



CM 2

CRN 194412-82-3

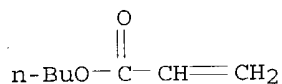
CMF C19 H19 N7 O2



CM 3

CRN 141-32-2

CMF C7 H12 O2



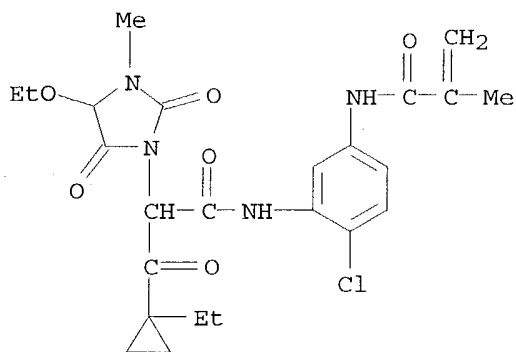
RN 194413-08-6 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-4-ethoxy- α -[(1-ethylcyclopropyl)carbonyl]-3-methyl-2,5-dioxo-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194413-07-5

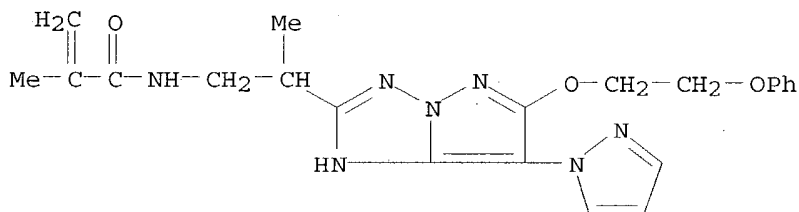
CMF C24 H29 Cl N4 O6



CM 2

CRN 140212-42-6

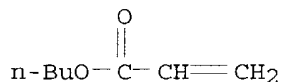
CMF C22 H25 N7 O3



CM 3

CRN 141-32-2

CMF C7 H12 O2

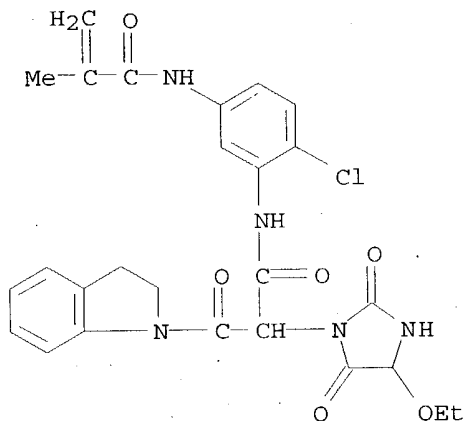


RN 194413-11-1 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(4-ethoxy-2,5-dioxo-1-imidazolidinyl)-2,3-dihydro-β-oxo-1H-indole-1-propanamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

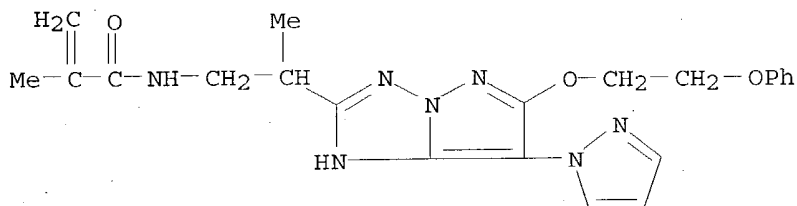
CM 1

CRN 194413-10-0
CMF C26 H26 Cl N5 O6



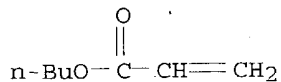
CM 2

CRN 140212-42-6
CMF C22 H25 N7 O3



CM 3

CRN 141-32-2
CMF C7 H12 O2



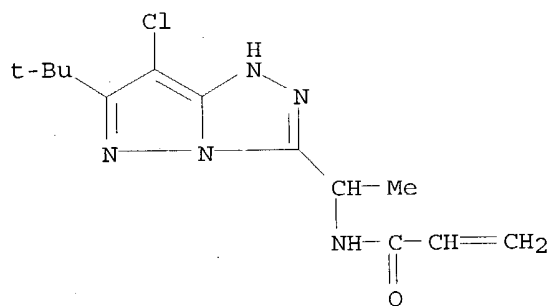
RN 194413-13-3 CAPLUS
CN 2-Propenoic acid, butyl ester, polymer with N-[1-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]ethyl]-2-propenamide and N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-

dimethyl-1-oxopropyl)-4,4-dimethyl-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide (9CI) (CA INDEX NAME)

CM 1

CRN 189815-12-1

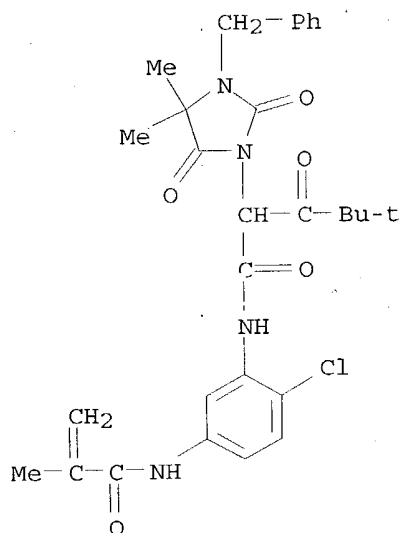
CMF C13 H18 Cl N5 O



CM 2

CRN 189814-67-3

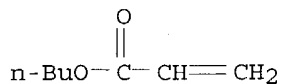
CMF C29 H33 Cl N4 O5



CM 3

CRN 141-32-2

CMF C7 H12 O2



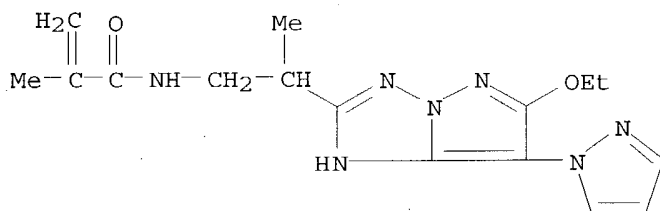
RN 194413-15-5 CAPLUS

CN 2-Propenoic acid, butyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)aminophenyl]- α -(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide, 1-dodecanethiol and N-[2-[6-ethoxy-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-methyl-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 189814-85-5

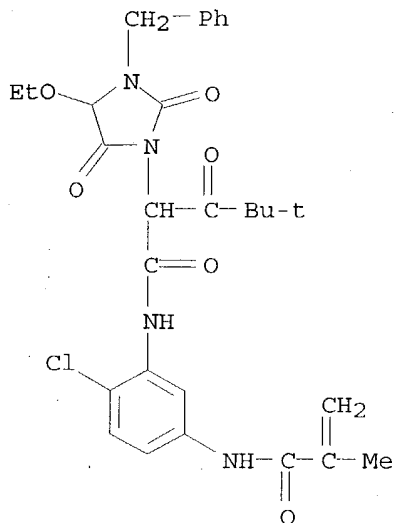
CMF C16 H21 N7 O2



CM 2

CRN 86701-94-2

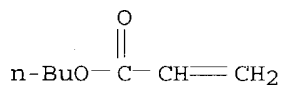
CMF C29 H33 Cl N4 O6



CM 3

CRN 141-32-2

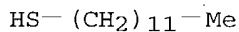
CMF C7 H12 O2



CM 4

CRN 112-55-0

CMF C12 H26 S



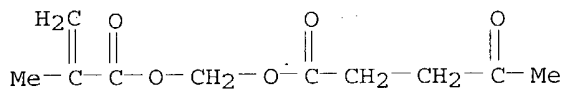
RN 194413-17-7 CAPLUS

CN Pentanoic acid, 4-oxo-, [(2-methyl-1-oxo-2-propenyl)oxy]methyl ester, polymer with N-[2-chloro-5-[(2-methyl-1-oxo-2-propenyl)amino]phenyl]-α-(2,2-dimethyl-1-oxopropyl)-4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidineacetamide and 2-methyl-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 194413-16-6

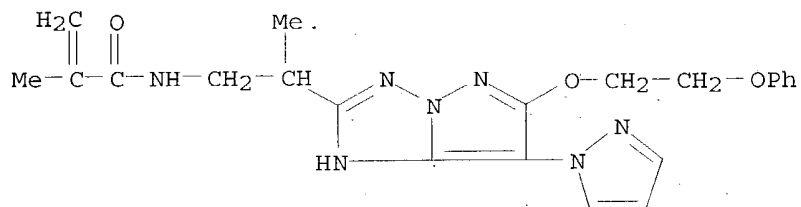
CMF C10 H14 O5



CM 2

CRN 140212-42-6

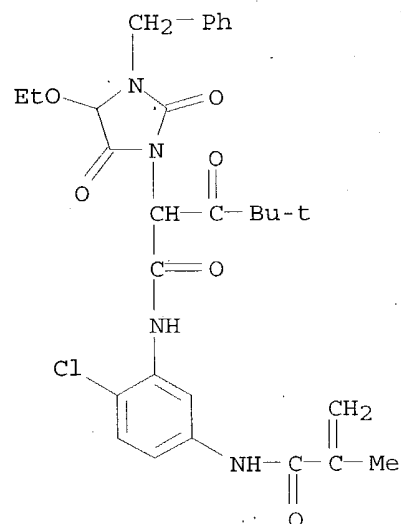
CMF C22 H25 N7 O3



CM 3

CRN 86701-94-2

CMF C29 H33 Cl N4 O6



IC ICM G03C007-327

ICS G02B005-20; G02B005-22; G03C007-18; G03C007-20
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other
Reprographic Processes)
ST **silver halide color photosensitive material**;
color filter manufg method
IT Liquid crystal displays
Optical filters
Photographic films
(**silver halide color photosensitive**
material and method for manufacturing color filter using said material)
IT 77-71-4 288-13-1, Pyrazole 302-01-2, Hydrazine, reactions 920-46-7,
Methacrylic acid chloride 63163-96-2 65855-02-9 131851-86-0
155040-08-7 192120-88-0 194413-31-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(**silver halide color photosensitive**
material and method for manufacturing color filter using said material)
IT 72628-63-8P 176737-36-3P 176737-38-5P 183891-47-6P 194413-26-8P
194413-27-9P 194413-28-0P 194413-29-1P
194413-30-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(**silver halide color photosensitive**
material and method for manufacturing color filter using said material)
IT 86701-94-2P 140212-42-6P 194412-80-1P
194413-18-8P 194413-19-9P 194413-21-3P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(**silver halide color photosensitive**
material and method for manufacturing color filter using said material)
IT 194412-81-2 194412-83-4 194412-84-5
194412-85-6 194412-86-7 194412-87-8
194412-88-9 194412-90-3 194412-92-5
194412-94-7 194412-96-9 194412-98-1
194412-99-2 194413-00-8 194413-01-9
194413-02-0 194413-04-2 194413-06-4
194413-08-6 194413-11-1 194413-13-3
194413-15-5 194413-17-7
RL: TEM (Technical or engineered material use); USES (Uses)
(**silver halide color photosensitive**
material and method for manufacturing color filter using said material)

L40 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:151227 CAPLUS

DOCUMENT NUMBER: 126:164161

TITLE: **Silver halide color
photographic photosensitive
materials**

INVENTOR(S): Makuta, Toshuki; Nakamura, Takemare; Takeuchi, Kyoshi;
Takizawa, Hiroo

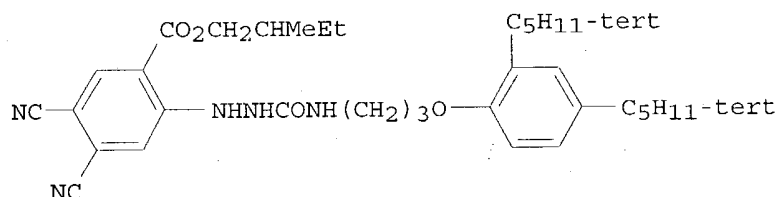
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 78 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08320542	A2	19961203	JP 1995-149492	19950524
JP 3400612	B2	20030428		
US 5693450	A	19971202	US 1996-653346	19960524
PRIORITY APPLN. INFO.:			JP 1995-149492 A	19950524

GI



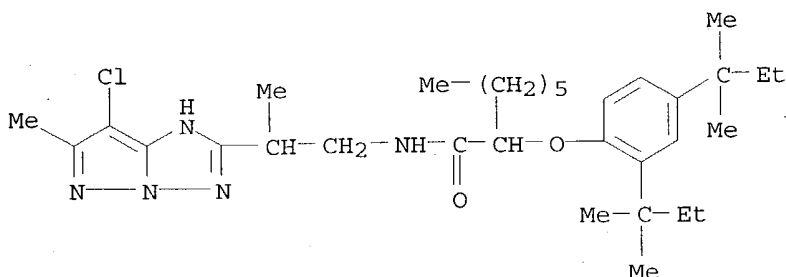
AB A silver halide color photosensitive material possessing on a support at least one photog. constituent layer containing a reducing agent for coloration represented by formula R11NHNH-X-R12 (R11 = aryl, heterocyclyl; R12 = alkyl, alkenyl, alkynyl, aryl, heterocyclyl; X = SO2, CO, COCO, CO2, CONHR13, COCO2, COCONR13, SO2NR13; wherein R13 = H, group cited in R12), at least one color-forming coupler, and at least one high b.p. organic solvent having electron-donating parameter $\Delta v_D \geq 80$ is claimed. Above reducing agent, e.g. N-phenylsemicarbazide (I), for coloration is oxidized by redox reaction with an auxiliary developer oxidized by exposed silver halide and its oxidized form further reacts with a color-forming coupler to form a dye. This photog. material enables low replenishment of a color developer and thereby allows processing with low discharge of a used color developer, provides good coloration even at low pH of the coating in rapid processing, and is reduced in stain during a long term storage and after processing.

IT 131169-88-5

RL: TEM (Technical or engineered material use); USES (Uses)
 (color coupler; silver halide color photog
 . photosensitive materials containing reducing agents for
 coloration, color-forming couplers, and high b.p. solvent)

RN 131169-88-5 CAPLUS

CN Octanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]- (9Ci) (CA INDEX NAME)



IC ICM G03C007-388
ICS G03C007-00; G03C007-30; G03C007-392; G03C007-413

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST color **photog** paper; phenylsemicarbazide coloration reducing agent

IT Color **photographic** paper
(**silver halide color photog.**
photosensitive materials containing reducing agents for coloration, color-forming couplers, and high b.p. solvent)

IT 63149-13-3 111130-66-6 **131169-88-5** 186820-16-6 186820-18-8
186820-20-2
RL: TEM (Technical or engineered material use); USES (Uses)
(color coupler; **silver halide color photog**
photosensitive materials containing reducing agents for coloration, color-forming couplers, and high b.p. solvent)

IT 182296-98-6 182297-00-3 182297-02-5 182297-06-9 182297-08-1
182297-09-2 182297-11-6 182297-15-0 182297-17-2 182297-19-4
186820-14-4 186820-15-5
RL: TEM (Technical or engineered material use); USES (Uses)
(coloration-reducing agent; **silver halide color photog. photosensitive** materials containing reducing agents for coloration, color-forming couplers, and high b.p. solvent)

IT 78-42-2 78-50-2 791-28-6 2528-39-4 2528-40-7 4441-17-2
6161-81-5 186820-26-8
RL: TEM (Technical or engineered material use); USES (Uses)
(high b.p. solvent; **silver halide color photog. photosensitive** materials containing reducing agents for coloration, color-forming couplers, and high b.p. solvent)

L40 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1997:67015 CAPLUS

DOCUMENT NUMBER: 126:82120

TITLE: silver halide color
photographic photosensitive
materials containing hydrazine derivatives as reducing
agents for color development

INVENTOR(S): Nakamura, Koichi; Takeuchi, Kyoshi; Nakamura, Takemare

PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 75 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08234388	A2	19960913	JP 1995-63572	19950228
US 6057086	A	20000502	US 1997-977049	19971125
PRIORITY APPLN. INFO.:			JP 1995-63572	19950228
			US 1996-607633	19960227

AB The claimed color **photog.** materials contain ≥ 1 dye-forming couplers, ≥ 1 color-developing reducing agent of the formula R_1NHNHR_2 (R_1 = aryl, heterocyclyl; R_2 = alkyl, alkenyl, alkynyl, aryl; X = SO_2 , CO, COCO, CO_2 , CONR₃, COCO₂, COCONR₃, SO_2NR_3 ; R_3 = H, alkyl, alkenyl, alkynyl, aryl), and a auxiliary **developer** or its precursor. The auxiliary **developer** is preferably selected from pyrazolidone, dihydroxybenzene, reductone, and aminophenol derivs. The **photog.** materials can be processed by using an alkaline activator solution without developing agent with minimal replenishing of the processing solns. to give color images with reduced stains and color contamination.

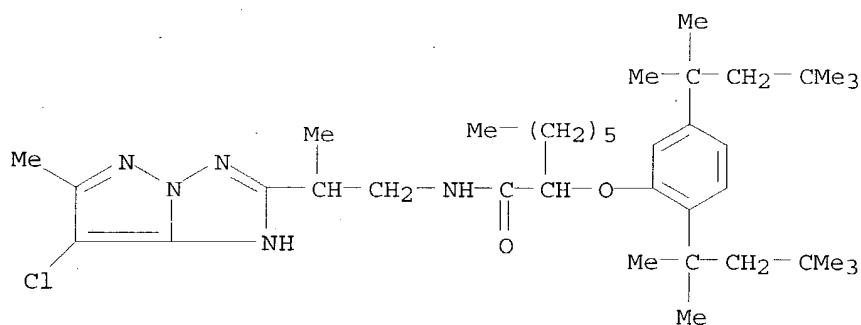
IT 185463-27-8

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(color couplers for **photog.** paper)

RN 185463-27-8 CAPLUS

CN Octanamide, 2-[2,5-bis(1,1,3,3-tetramethylbutyl)phenoxy]-N-[2-(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]- (9CI) (CA INDEX NAME)



IC ICM G03C007-392

ICS G03C001-42; G03C001-43; G03C001-74; G03C007-00; G03C007-305

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST color **photog** hydrazine reducing agent; auxiliary **developer** color **photog**

IT Photographic developers

(color **photog.** paper containing auxiliary **developers**,

hydrazine derivs., and color couplers)

IT Color **photographic** paper
(hydrazine derivative type color-forming reducing agents and auxiliary **developers** for)

IT Reducing agents
(hydrazine derivs. as **photog.** color-forming reducing agents)

IT **Photographic** couplers
(**photog.** paper containing color couplers, hydrazine derivs., and auxiliary **developers**)

IT 6118-95-2 13047-13-7 94274-23-4 94274-24-5 185463-30-3
185463-31-4 185463-32-5 185463-33-6
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(auxiliary **developers** for color **photog.** paper)

IT 346-10-1 124906-73-6 125102-87-6 **185463-27-8** 185463-28-9
185463-29-0
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(color couplers for **photog.** paper)

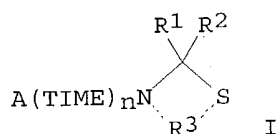
IT 181364-69-2 182296-98-6 182297-00-3 182297-08-1 182297-11-6
182297-13-8 182810-05-5 182810-10-2 182810-12-4 182810-14-6
182810-17-9 185463-24-5 185463-25-6 185463-26-7
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(color **photog.** paper containing hydrazine derivative-type reducing agents)

L40. ANSWER 16 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

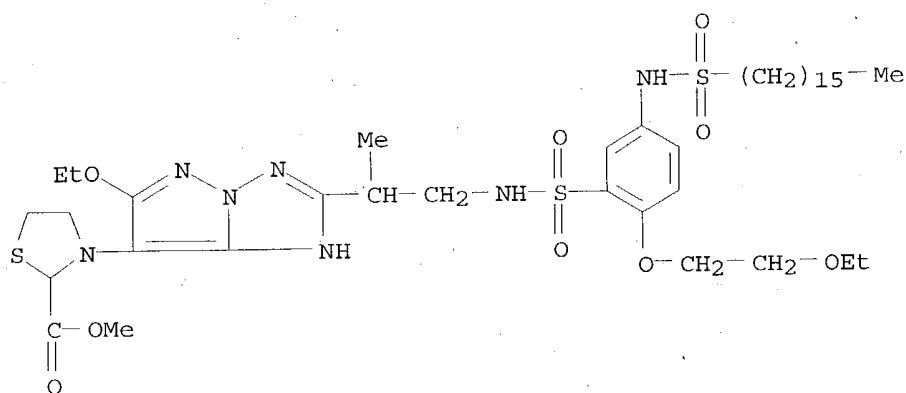
ACCESSION NUMBER: 1994:617519 CAPLUS
DOCUMENT NUMBER: 121:217519
TITLE: silver halide **photographic** material
INVENTOR(S): Oohayashi, Tatsuhiko; Matsumoto, Keisuke
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06059411	A2	19940304	JP 1992-325564	19921204
PRIORITY APPLN. INFO.:			JP 1992-176021	19920611

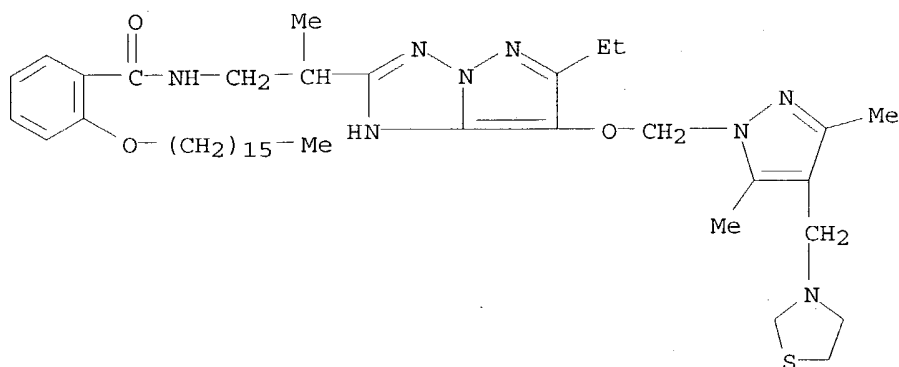
GI



- AB A rapid-processing silver halide **photog.** material with no bleaching efficiency reduction even during running processing comprises, on a support, ≥ 1 **photosensitive silver halide** emulsion layer and contains ≥ 1 bleaching promoter-releasing coupler represented by the formula I (A = a coupler residue undergoing coupling reaction with an oxidized primary aromatic amine **developer**; TIME = a timing group; n = 0, 1, or 2; R1, R2 = H or a substituent group; R3 = a divalent connecting group).
- IT 158294-95-2 158294-96-3
 RL: TEM (Technical or engineered material use); USES (Uses)
 (bleaching promoter-releasing **photog.** coupler)
- RN 158294-95-2 CAPLUS
- CN 2-Thiazolidinecarboxylic acid, 3-[6-ethoxy-2-[2-[[[2-(2-ethoxyethoxy)-5-[(hexadecylsulfonyl)amino]phenyl]sulfonyl]amino]-1-methylethyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]-, methyl ester (9CI) (CA INDEX NAME)



- RN 158294-96-3 CAPLUS
- CN Benzamide, N-[2-[7-[[[3,5-dimethyl-4-(3-thiazolidinylmethyl)-1H-pyrazol-1-yl]methoxy]-6-ethyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-2-(hexadecyloxy)- (9CI) (CA INDEX NAME)



- IC ICM G03C007-305
ICS G03C001-43; G03C007-32
- CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
- ST silver halide **photog** material coupler; bleaching promoter releasing **photog** coupler
- IT **Photographic** emulsions
(containing bleaching promoter-releasing color formers)
- IT **Photographic** couplers
(nitrogen- and sulfur-containing heterocyclic compds. as bleaching promoter-releasing)
- IT 158294-90-7 158294-91-8 158294-92-9 158294-93-0 158294-94-1
158294-95-2 158294-96-3
RL: TEM (Technical or engineered material use); USES (Uses)
(bleaching promoter-releasing **photog.** coupler)
- IT 158294-97-4 158294-98-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and reaction of, in preparing bleaching promoter-releasing **photog.** coupler)
- IT 158294-88-3 158294-89-4
RL: TEM (Technical or engineered material use); USES (Uses)
(preparation and use of, as bleaching promoter-releasing **photog.** coupler)
- IT 504-78-9, Thiazolidine 4569-82-8 7693-46-1 61387-37-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparing bleaching promoter-releasing **photog.** coupler)

L40 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN.
ACCESSION NUMBER: 1994:284789 CAPLUS
DOCUMENT NUMBER: 120:284789
TITLE: Color reproduction-improved silver
halide **photographic**
photosensitive material
INVENTOR(S): Sato, Koichi; Kita, Hiroshi
PATENT ASSIGNEE(S): Konishiroku Photo Ind, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 80 pp.

CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05127329	A2	19930525	JP 1991-315140	19911105

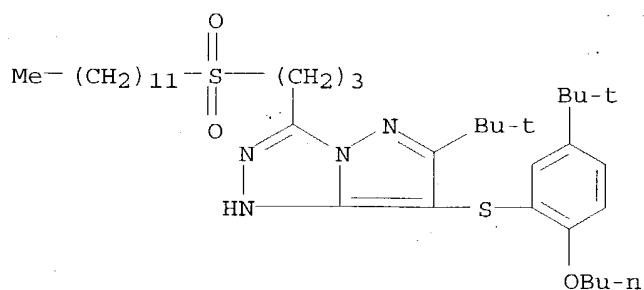
PRIORITY APPLN. INFO.: JP 1991-315140 19911105

AB The title material, having on a support **photog.** constituent layers containing a UV absorber-containing layer(s) and a Ag halide emulsion layer(s), ≥ 1 layer(s) selected from the UV absorber-containing layer(s) and **photog.** constituent layers located closer to the support side than the UV absorber-containing layer, contains ≥ 1 kind(s) of mercapto compound-releasable compds. as a function of exposed Ag halide and ≥ 1 layer(s) selected from the UV absorber-containing layer(s) and **photog.** constituent layers located further from the support side than the UV absorber-containing layer, and contains ≥ 1 kind(s) of phosphor precursors capable of forming a phosphor by reaction with a mercapto compound released from the mercapto compound-releasable compound or with a color **developer** component during color development. The material provides images with superior color reproduction and storage stability (light fastness).

IT 141427-32-9P
 RL: PREP (Preparation)
 (preparation of, as mercapto compound-releasable compound for color **photog.** material)

RN 141427-32-9 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-[[2-butoxy-5-(1,1-dimethylethyl)phenyl]thio]-6-(1,1-dimethylethyl)-3-[3-(dodecylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



IC ICM G03C007-392
 ICS G03C001-815; G03C007-305; G03C007-32

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST silver halide color **photog** material; color reprodn improvement **photog** material

IT **Photographic** paper

(color, for improved color reproduction and light fastness)

IT 154732-15-7 154732-16-8 154732-17-9
 RL: USES (Uses)
 (mercapto compound-releasable compound, color **photog.** material containing)

IT 141427-46-5 141427-49-8 141427-57-8 154732-12-4 154732-13-5
 154732-14-6
 RL: USES (Uses)
 (phosphor precursor, color **photog.** material containing)

IT 154732-22-6P 154732-23-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, for mercapto compound-releasable compound for color **photog.** material)

IT 154732-19-1P 154732-20-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of, for phosphor precursor for color **photog.** material)

IT 123441-02-1P **141427-32-9P** 154732-21-5P
 RL: PREP (Preparation)
 (preparation of, as mercapto compound-releasable compound for color **photog.** material)

IT 141427-53-4P 154732-18-0P
 RL: PREP (Preparation)
 (preparation of, as phosphor precursor for color **photog.** material)

L40 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:581670 CAPLUS

DOCUMENT NUMBER: 117:181670

TITLE: **Photosensitive material for silver halide photography**

INVENTOR(S): Nishijima, Toyoki; Tanji, Masaki

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF

DOCUMENT TYPE: Patent

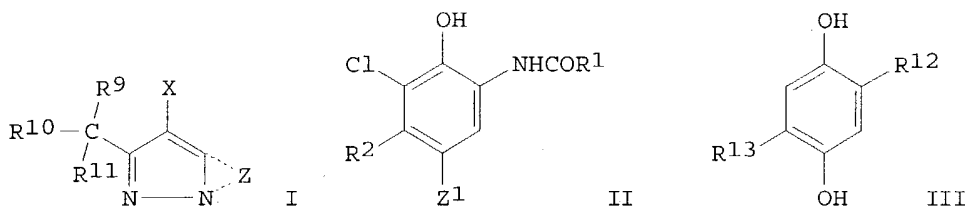
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04133056	A2	19920507	JP 1990-256124	19900925
PRIORITY APPLN. INFO.:			JP 1990-256124	19900925

GI



AB In the title material comprising a support coated with ≥ 1 **photosensitive** emulsion layer (A) and ≥ 1 non-**photosensitive** emulsion layer (B), A and/or B layer contains a pyrazole coupler I [Z = nonmetallic atomic group required to form a (un)substituted N-containing heterocyclic ring; X = H, group being released by reaction with an oxidized color **developer**; R9 - R11 = substitute] or a phenol compound II (R1 = ballast group; R2 = C ≥ 2 alkyl; Z1 = H, atom or group being released by reaction with an oxidized color **developer**), and a hydroquinone compound III (R12 - R13 = sec- or tert-alkyl, total C of R12 and R13 is ≥ 20). The material has excellent storage stability with light resistance.

IT 104102-32-1 117661-36-6 124351-77-5

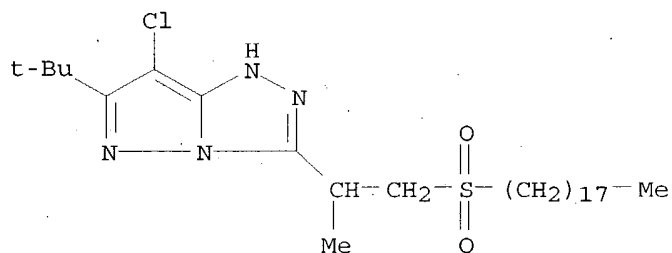
RL: USES (Uses)

(silver halide photog.

photosensitive emulsion containing, coupler)

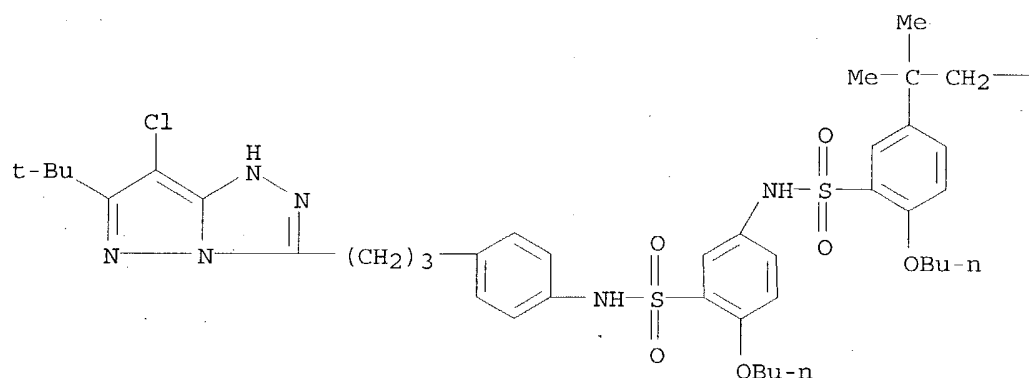
RN 104102-32-1 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-6-(1,1-dimethylethyl)-3-[1-methyl-2-(octadecylsulfonyl)ethyl]- (9CI) (CA INDEX NAME)



RN 117661-36-6 CAPLUS

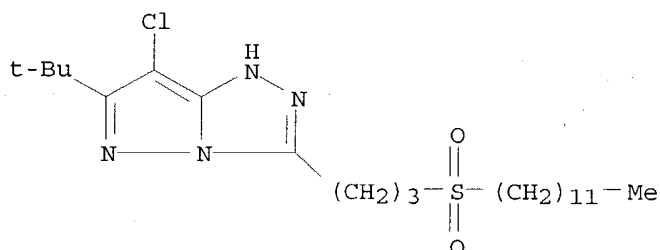
CN Benzenesulfonamide, 2-butoxy-N-[4-butoxy-3-[[[4-[3-[7-chloro-6-(1,1-dimethylethyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]phenyl]amino]sulfonyl]phenyl]-5-(1,1,3,3-tetramethylbutyl)- (9CI) (CA INDEX NAME)



PAGE 1-B

$$-\text{CMe}_3$$

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-6-(1,1-dimethylethyl)-3-[3-(dodecylsulfonyl)propyl]- (9CI) (CA INDEX NAME)



IC ICM G03C007-38
ICS G03C007-392

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST silver halide **photog** emulsion; coupler silver halide **photog** emulsion; pyrazole coupler silver halide **photog**; hydroquinone silver halide **photog** emulsion

IT **Photographic** emulsions
(containing coupler of pyrazoles or phenols and hydroquinones)

IT **Photographic** couplers
(pyrazoles or phenols)

IT 123-31-9D, Hydroquinone, reaction products with C12-14 α -olefins
60350-71-2 142619-57-6

RL: USES (Uses)

(silver halide photog. non-
photosensitive emulsion containing)

IT 93951-12-3 101664-25-9 104102-32-1 117661-36-6
117827-06-2 124351-77-5

RL: USES (Uses)

(silver halide photog.
photosensitive emulsion containing, coupler)

L40 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:479834 CAPLUS

DOCUMENT NUMBER: 117:79834

TITLE: Silver halide color negative
photosensitive material

INVENTOR(S): Ikenoue, Shinpei; Watanabe, Toshiyuki; Ichijima, Seiji

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 165 pp.

CODEN: EPXXDW

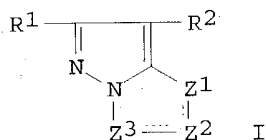
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 459349	A1	19911204	EP 1991-108576	19910527
EP 459349	B1	19970326		
R: DE, FR, GB, IT, NL				
JP 04032840	A2	19920204	JP 1990-138819	19900529
US 5254446	A	19931019	US 1991-705439	19910524
PRIORITY APPLN. INFO.:			JP 1990-138819	19900529
OTHER SOURCE(S):	MARPAT 117:79834			
GI				



AB A multilayer color **photog.** material is described containing a ferromagnetic powder from $4 + 10^{-4}$ to 3 g/m^2 of the support with a green-sensitive layer containing a magenta coupler I [R1 = H, substituent; R2 = H, group that can be split off by coupling reaction with an oxidation product of a primary amine **developer**; Z1-Z3 = methine, N, NH, one of the 2 bonds between them is a single bond and the other is a double bond; the coupler may form a dimer or a polymer through R1 or R2 or

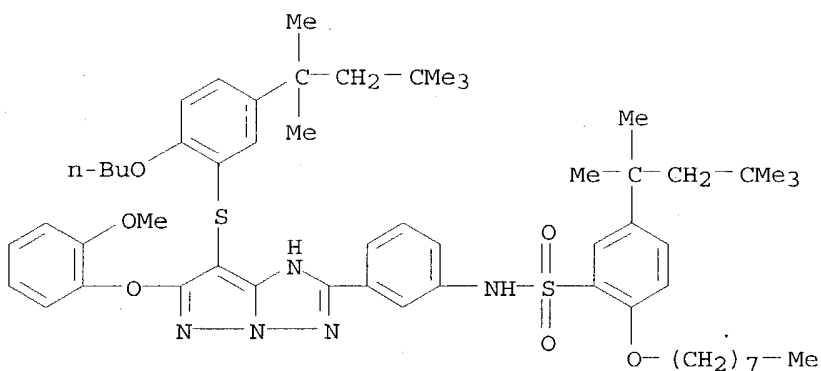
substituted methine of Z1-Z3]. The material makes it possible to shorten the printing time and has an excellent sharpness.

IT 124079-66-9 138559-19-0

RL: TEM (Technical or engineered material use); USES (Uses)
(magenta **photog.** coupler)

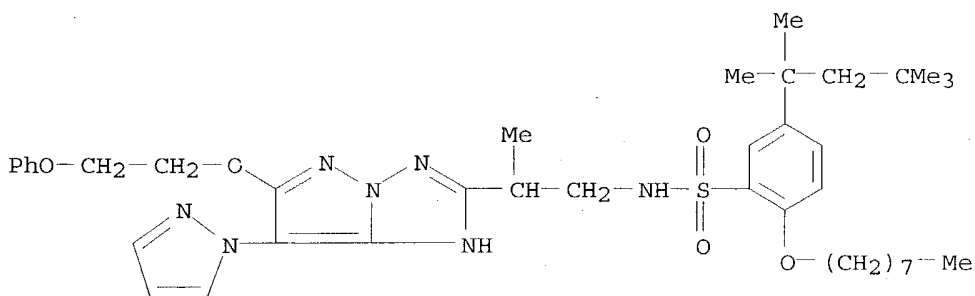
RN 124079-66-9 CAPLUS

CN Benzenesulfonamide, N-[3-[7-[[2-butoxy-5-(1,1,3,3-tetramethylbutyl)phenyl]thio]-6-(2-methoxyphenoxy)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]-2-(octyloxy)-5-(1,1,3,3-tetramethylbutyl)-(9CI) (CA INDEX NAME)



RN 138559-19-0 CAPLUS

CN Benzenesulfonamide, 2-(octyloxy)-N-[2-[6-(2-phenoxyethoxy)-7-(1H-pyrazol-1-yl)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]-5-(1,1,3,3-tetramethylbutyl)-(9CI) (CA INDEX NAME)



IC ICM G03C007-24

ICS G03C007-32

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST magenta coupler **photog**; ferromagnetic powder **photog** film

IT **Photographic** films

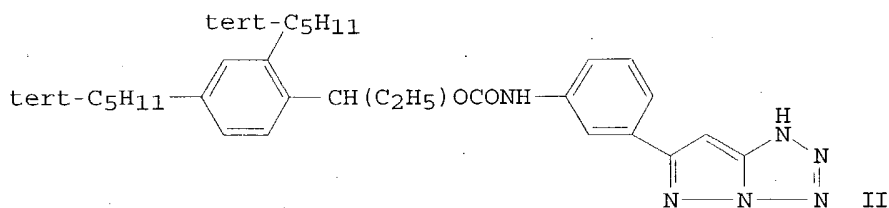
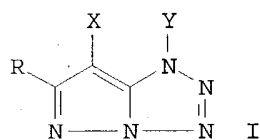
(ferromagnetic powder and magenta coupler in)

IT **Photographic couplers**
 (magenta, ferromagnetic powder in **photog.** film containing)
 IT **124079-66-9 138559-19-0**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (magenta **photog.** coupler)
 IT 1309-37-1, Ferric oxide, uses
 RL: USES (Uses)
 (**photog.** film with layer containing, for improved sharpness)

L40 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1989:202766 CAPLUS
 DOCUMENT NUMBER: 110:202766
 TITLE: Newly synthesized coupler-containing **silver halide photosensitive** materials for color **photography**
 INVENTOR(S): Tachibana, Kimie; Kaneko, Yutaka
 PATENT ASSIGNEE(S): Konica Co., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 64000553	A2	19890105	JP 1987-294594	19871122
PRIORITY APPLN. INFO.:			JP 1986-282355	19861126
			JP 1987-48895	19870305

GI



AB A Ag halide **photosensitive** material having ≥ 1 Ag halide emulsion layer on a support contains pyrazolotetrazole cyan coupler I (R = electron attractive group; X = H, substituents released by coupling)

reaction with an oxidized **developer**; Y = H, substituents). The coupler has excellent spectral absorption and the coupler-containing **photosensitive** material gives clear cyan-images. A red-sensitive emulsion layer containing Ag bromide chloride and a cyan coupler II and a protective layer containing gelatin and hardening agent of 2,4-dichloro-6-hydroxy-s-triazine Na salt were formed successively on a polyethylene-laminated support to give a red-sensitive color **photog.** material. Images obtained by exposure and development of the material had no irregular absorption in green color region. High heat and humidity resistance can be obtained.

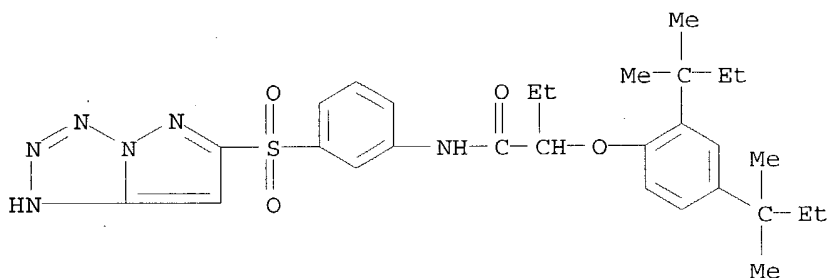
IT 120379-93-3P 120379-94-4P 120379-95-5P
 120379-96-6P 120379-97-7P 120379-98-8P
 120379-99-9P 120380-00-9P 120380-01-0P
 120380-02-1P 120380-03-2P 120380-04-3P
 120380-05-4P 120380-06-5P 120380-07-6P
 120380-08-7P 120380-09-8P 120380-10-1P

RL: PREP (Preparation)

(cyan coupler, preparation of, for **silver halide** **photosensitive** materials)

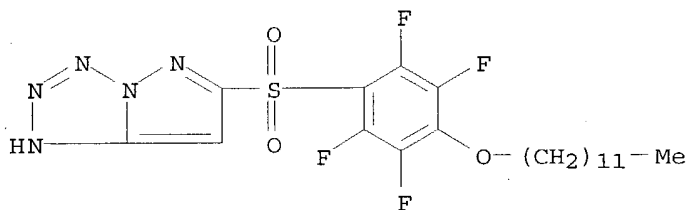
RN 120379-93-3 CAPLUS

CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[3-(1H-pyrazolo[1,5-d]tetrazol-6-ylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



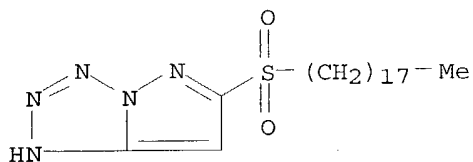
RN 120379-94-4 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 6-[[4-(dodecyloxy)-2,3,5,6-tetrafluorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



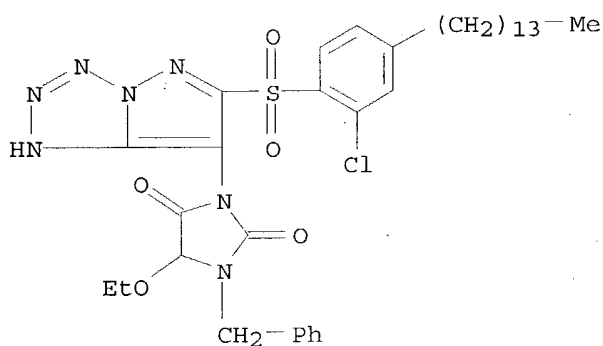
RN 120379-95-5 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 6-(octadecylsulfonyl)- (9CI) (CA INDEX NAME)



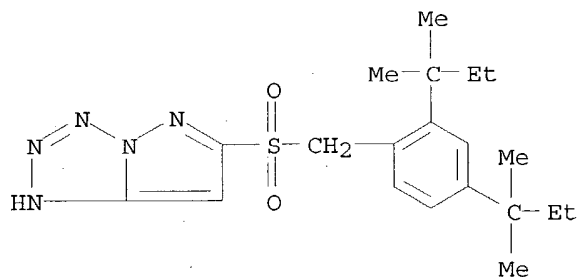
RN 120379-96-6 CAPLUS

CN 2,4-Imidazolidinedione, 3-[6-[(2-chloro-4-tetradecylphenyl)sulfonyl]-1H-pyrazolo[1,5-d]tetrazol-7-yl]-5-ethoxy-1-(phenylmethyl)- (9CI) (CA INDEX NAME)



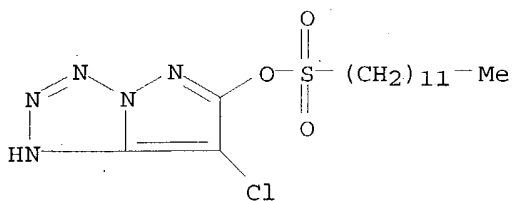
RN 120379-97-7 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 6-[[[2,4-bis(1,1-dimethylpropyl)phenyl)methyl]sulfonyl]- (9CI) (CA INDEX NAME)



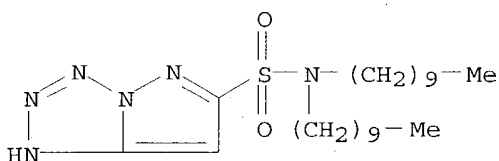
RN 120379-98-8 CAPLUS

CN 1-Dodecanesulfonic acid, 7-chloro-1H-pyrazolo[1,5-d]tetrazol-6-yl ester (9CI) (CA INDEX NAME)



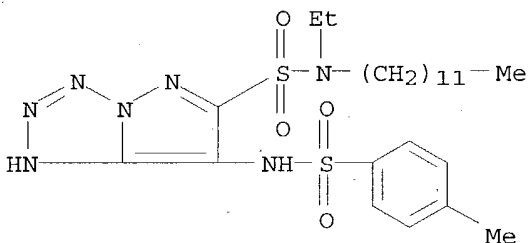
RN 120379-99-9 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole-6-sulfonamide, N,N-didecyl- (9CI) (CA INDEX NAME)



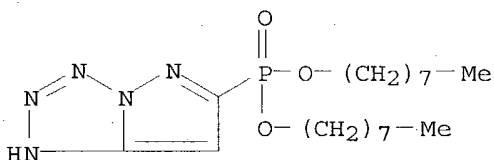
RN 120380-00-9 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole-6-sulfonamide, N-dodecyl-N-ethyl-7-[[4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



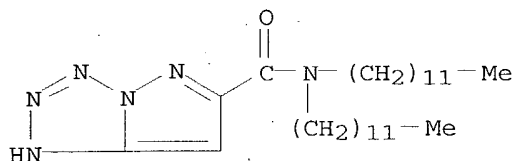
RN 120380-01-0 CAPLUS

CN Phosphonic acid, 1H-pyrazolo[1,5-d]tetrazol-6-yl-, dioctyl ester (9CI) (CA INDEX NAME)



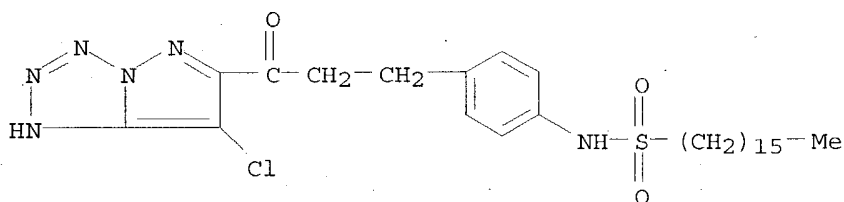
RN 120380-02-1 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole-6-carboxamide, N,N-didodecyl- (9CI) (CA INDEX NAME)



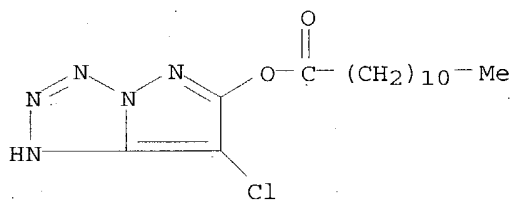
RN 120380-03-2 CAPLUS

CN 1-Hexadecanesulfonamide, N-[4-[3-(7-chloro-1H-pyrazolo[1,5-d]tetrazol-6-yl)-3-oxopropyl]phenyl]- (9CI) (CA INDEX NAME)



RN 120380-04-3 CAPLUS

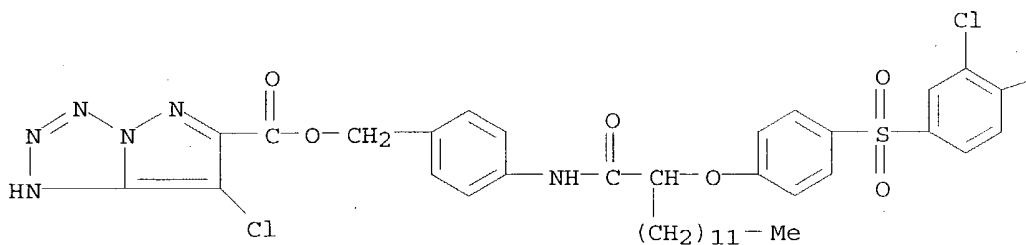
CN Dodecanoic acid, 7-chloro-1H-pyrazolo[1,5-d]tetrazol-6-yl ester (9CI) (CA INDEX NAME)



RN 120380-05-4 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole-6-carboxylic acid, 7-chloro-, [4-[[2-[4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-1-oxotetradecyl]amino]phenyl]methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

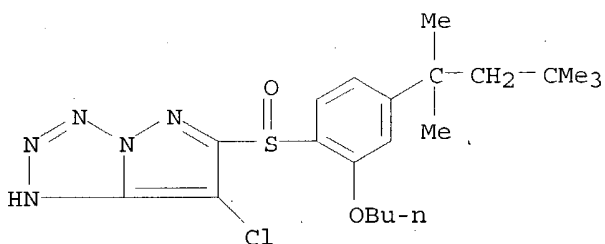


PAGE 1-B

OH

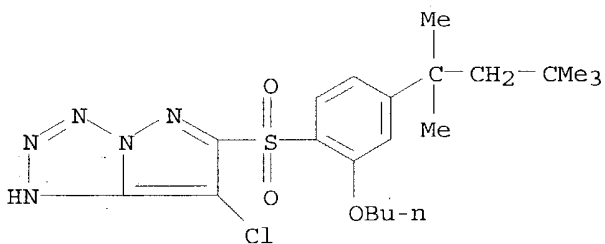
RN 120380-06-5 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 6-[[2-butoxy-4-(1,1,3,3-tetramethylbutyl)phenyl]sulfinyl]-7-chloro- (9CI) (CA INDEX NAME)



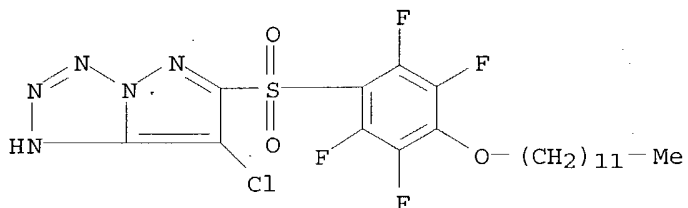
RN 120380-07-6 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 6-[[2-butoxy-4-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]-7-chloro- (9CI) (CA INDEX NAME)



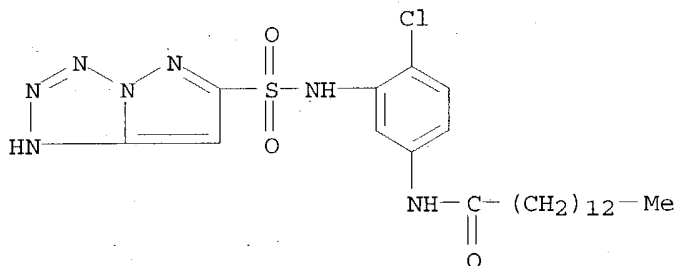
RN 120380-08-7 CAPLUS

CN 1H-Pyrazolo[1,5-d]tetrazole, 7-chloro-6-[[4-(dodecyloxy)-2,3,5,6-tetrafluorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



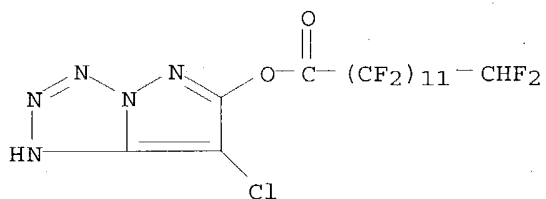
RN 120380-09-8 CAPLUS

CN Tetradecanamide, N-[4-chloro-3-[(1H-pyrazolo[1,5-d]tetrazol-6-ylsulfonyl)amino]phenyl]- (9CI) (CA INDEX NAME)



RN 120380-10-1 CAPLUS

CN Tridecanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-tetracosafuoro-, 7-chloro-1H-pyrazolo[1,5-d]tetrazol-6-yl ester (9CI) (CA INDEX NAME)



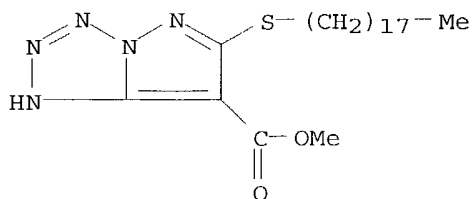
IT 120379-87-5P 120379-88-6P 120379-91-1P,
1H-Pyrazolo[1,5-d]tetrazol-6(5H)-one 120379-92-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

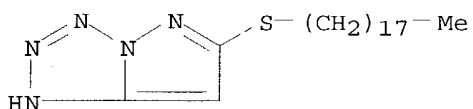
(preparation and reaction of, in cyan coupler preparation, for **silver halide photosensitive materials**)

RN 120379-87-5 CAPLUS

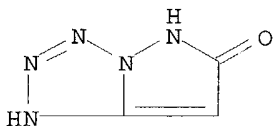
CN 1H-Pyrazolo[1,5-d]tetrazole-7-carboxylic acid, 6-(octadecylthio)-, methyl ester (9CI) (CA INDEX NAME)



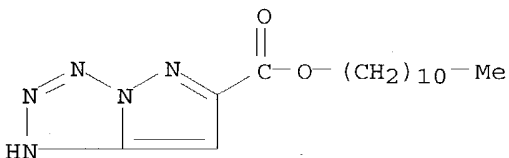
RN 120379-88-6 CAPLUS
CN 1H-Pyrazolo[1,5-d]tetrazole, 6-(octadecylthio)- (9CI) (CA INDEX NAME)



RN 120379-91-1 CAPLUS
CN 1H-Pyrazolo[1,5-d]tetrazol-6(5H)-one (9CI) (CA INDEX NAME)



RN 120379-92-2 CAPLUS
CN 1H-Pyrazolo[1,5-d]tetrazole-6-carboxylic acid, undecyl ester (9CI) (CA INDEX NAME)



IC ICM G03C007-38
CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
ST silver halide color **photog**; cyan coupler red sensitive emulsion
IT **Photographic** couplers
(pyrazolotetrazole, cyan, color **photog.** material using)
IT **Photographic** emulsions
(color, containing pyrazolotetrazole derivative as cyan coupler)
IT 120379-93-3P 120379-94-4P 120379-95-5P
120379-96-6P 120379-97-7P 120379-98-8P

120379-99-9P 120380-00-9P 120380-01-0P
 120380-02-1P 120380-03-2P 120380-04-3P
 120380-05-4P 120380-06-5P 120380-07-6P
 120380-08-7P 120380-09-8P 120380-10-1P

RL: PREP (Preparation)

(cyan coupler, preparation of, for **silver halide photosensitive materials**)

IT 120379-84-2P 120379-85-3P 120379-86-4P 120379-87-5P
 120379-88-6P 120379-89-7P 120379-90-0P 120379-91-1P,
 1H-Pyrazolo[1,5-d]tetrazol-6(5H)-one 120379-92-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, in cyan coupler preparation, for **silver halide photosensitive materials**)

IT 120379-83-1P

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(reaction of, with 1-cyano-1-methoxycarbonyl-2,2-dimethylmercaptoethylene, in cyan coupler preparation, for **silver halide photosensitive material**)

IT 302-01-2P, Hydrazine, reactions

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(reaction of, with 1-cyano-1-methoxycarbonyl-2,2-dioctadecylmercaptoethylene, in cyan coupler preparation, for **silver halide photosensitive material**)

IT 120379-82-0P

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(reaction of, with hydrazine, in cyan coupler preparation, for **silver halide photosensitive material**)

IT 3490-92-4P

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(reaction of, with sulfamide, in cyan coupler preparation, for **silver halide photosensitive material**)

L40 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:93554 CAPLUS

DOCUMENT NUMBER: 106:93554

TITLE: **Silver halide color**

photographic photosensitive material

INVENTOR(S): Obayashi, Keiji; Kobayashi, Hidetoshi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokyo Koho, 30 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61065240	A2	19860403	JP 1984-187200	19840906
JP 04081785	B4	19921224		
PRIORITY APPLN. INFO.:			JP 1984-187200	19840906

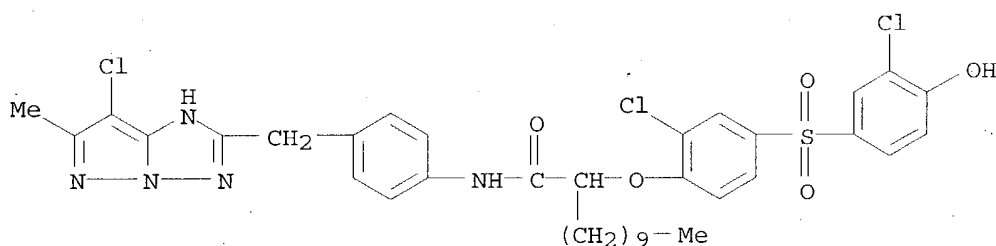
AB In developing Ag halide(s) by using ≥ 1 pyrazoloazole-type coupler and an aromatic primary amine-type **developer**, ≥ 1 compound selected from a fogging agent, development accelerator, or compds. capable of releasing their precursors is incorporated in the same layer in accordance with the amount of Ag to be developed. High sensitivity materials with high color reproducibility are obtained.

IT 102225-33-2

RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** coupler, for color film)

RN 102225-33-2 CAPLUS

CN Dodecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)methyl]phenyl]- (9CI) (CA INDEX NAME)



IC ICM G03C007-30

CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

ST silver halide color **photog** material; development color **photog** material; pyrazoloazole coupler amine **developer**

IT **Photographic** couplers
(pyrazoloazole-type)

IT **Photographic** films
(color, containing fogging agent or development promoter or precursor thereof, for improved image quality)

IT 102225-33-2

RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** coupler, for color film)

IT 99491-36-8 106791-41-7

RL: USES (Uses)
(**photog.** fogging agent-releasing compound, for color film)

L40 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1987:58864 CAPLUS

DOCUMENT NUMBER: 106:58864

TITLE: **Silver halide color
photographic photosensitive
materials**

INVENTOR(S): Ninomiya, Hidetaka; Hirabayashi, Shigeto

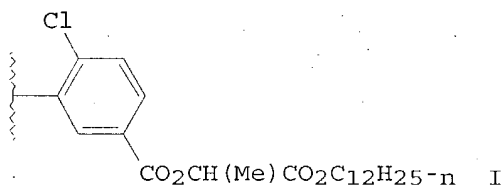
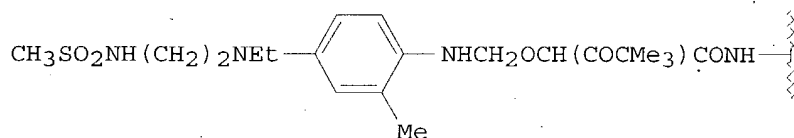
PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 26 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61156126	A2	19860715	JP 1984-274588	19841228
JP 05066577	B4	19930922		
PRIORITY APPLN. INFO.: GI			JP 1984-274588	19841228



AB The claimed **photog.** materials contain a compound of the formula Coup-Z-CD (Coup = coupler moiety; CD = color **developer** moiety or color **developer** precursor moiety; Z = a protective group for CD which releases the CD during development). The **developer** -releasing couplers have good stability; hence they do not cause desensitization, fog, or stain during manufacture or storage of the color **photog.** materials. Thus, a color **photog.** paper having a blue-sensitive layer, an interlayer, a green-sensitive layer, a 2nd interlayer, a red-sensitive layer, and a protective layer was prepared by adding I to the yellow-sensitive layer. The **photog.** paper showed low fog, high sensitivity, and a high Dmax.

IT 106341-86-0

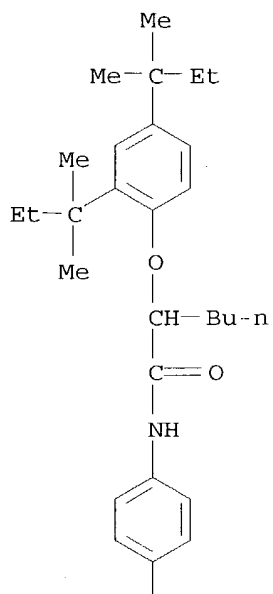
RL: USES (Uses)

(**photog.** color developing agent-releasing coupler)

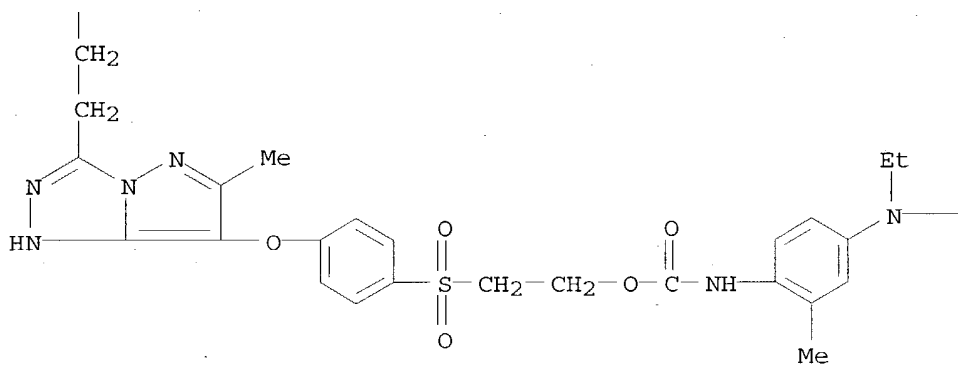
RN 106341-86-0 CAPLUS

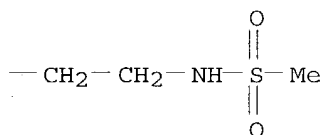
CN Carbamic acid, [4-[ethyl[2-[(methylsulfonyl)amino]ethyl]amino]-2-methylphenyl]-, 2-[[4-[[3-[2-[4-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]ethyl]-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]phenyl]sulfonyl]ethyl ester (9CI) (CA INDEX NAME)

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IC ICM G03C007-26
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST color **developer** releasing **photog** coupler
 IT **Photographic** couplers
 (color **developer**-releasing)
 IT **Photographic** paper
 (color, containing **developer**-releasing compound)
 IT 106341-84-8 106341-85-9 **106341-86-0** 106341-87-1
 RL: USES (Uses)
 (**photog.** color developing agent-releasing coupler)
 IT 106341-83-7P 106398-67-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and use of, as **photog.** color developing agent-releasing coupler)
 IT 75-44-5, Phosgene 92-09-1 503-38-8, Trichloromethyl chloroformate
 106341-88-2 106353-94-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, color developing agent-releasing couplers from)

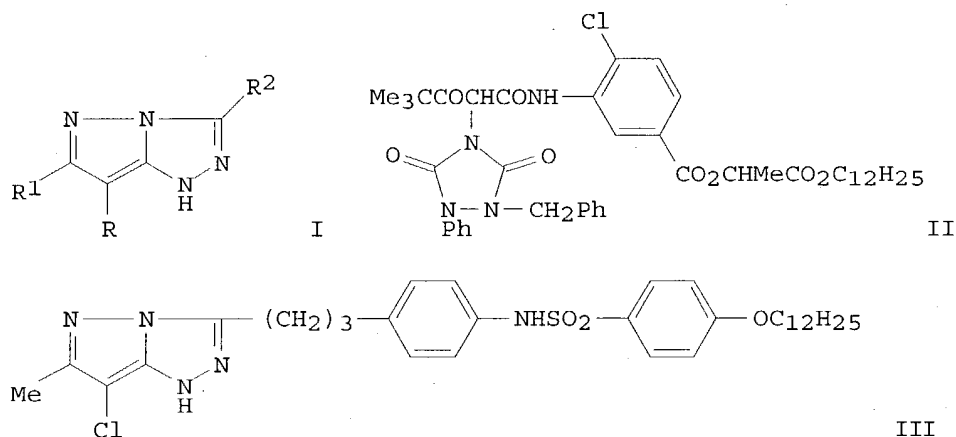
L40 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1986:562190 CAPLUS
 DOCUMENT NUMBER: 105:162190
 TITLE: **Silver halide color**
photographic photosensitive material
 INVENTOR(S): Hirabayashi, Shigeto; Oya, Yukio; Nonaka, Yoshiyuki;
 Nonaka, Yoshuki
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61080249	A2	19860423	JP 1984-202058	19840928
JP 05070807	B4	19931005		

PRIORITY APPLN. INFO.:
GI

JP 1984-202058

19840928



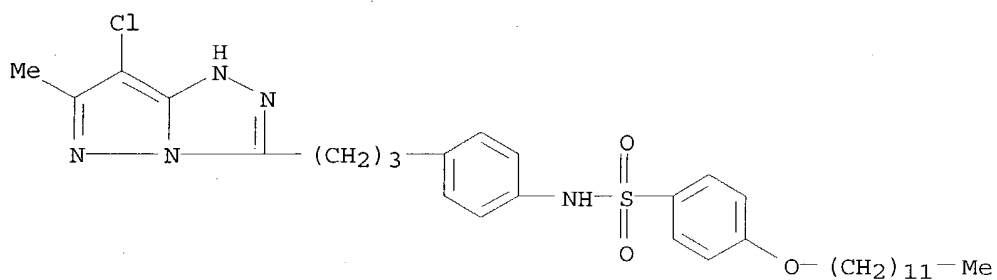
AB The title material is composed of a support bearing blue-sensitive, green-sensitive, and red-sensitive Ag halide emulsion layers where the blue-sensitive layer contains ≥ 1 high reaction speed yellow coupler having a relative coupling reaction rate of ≥ 0.3 and the green-sensitive layer contains ≥ 1 pyrazolotriazole-type magenta coupler of the general formula I [R = halo or an organic group releasable on a coupling reaction with an oxidized **developer**; R₁, R₂ = H (either of R₁, R₂), alkyl, aryl, heterocyclyl, acylamino, alkylamino, anilino, alkoxy carbonyl, alkylthio]. The material allows for raw storage and rapid development with stable **photog.** performance, providing color images with suppressed fog. Thus, a polyethylene-laminated paper support was coated in sequence with a blue-sensitive Ag(Br,Cl) emulsion containing a yellow coupler II, a dyed gelatin layer, a green-sensitive Ag(Br,Cl) emulsion layer containing a magenta coupler III, a gelatin intermediate layer, a red-sensitive Ag(Br,Cl) emulsion layer containing a cyan coupler, a UV-absorbing layer, and a gelatin protective layer to form a color **photog.** paper. The paper was wedge-exposed, color-developed, and bleach-fixed to give a color image with high sensitivity and low fog in a relatively short development time.

IT 98120-97-9 104594-60-7 104594-61-8

RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** magenta coupler, for high-speed paper)

RN 98120-97-9 CAPLUS

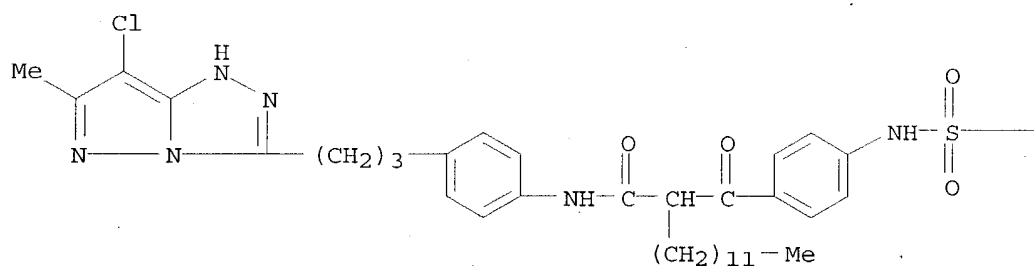
CN Benzenesulfonamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]-4-(dodecyloxy)- (9CI) (CA INDEX NAME)



RN 104594-60-7 CAPLUS

CN Benzenepropanamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]-4-[[(dimethylamino) sulfonyl] amino]- α -dodecyl- β -oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

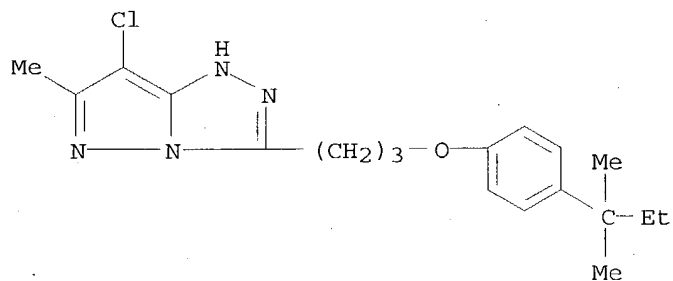


PAGE 1-B

—NMe₂

RN 104594-61-8 CAPLUS

CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-3-[3-[4-(1,1-dimethylpropyl)phenoxy]propyl]-6-methyl- (9CI) (CA INDEX NAME)



IC ICM G03C007-26
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST color **photog** paper coupler fogfree
 IT **Photographic** paper
 (color, high-speed, with green-sensitive layer containing pyrazolotriazole compound)
 IT **Photographic** couplers
 (magenta, for high-speed paper)
 IT **Photographic** couplers
 (yellow, for high-speed paper)
 IT 31037-84-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. cyan coupler, for high-speed paper)
 IT 98120-97-9 104594-60-7 104594-61-8
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. magenta coupler, for high-speed paper)
 IT 71297-15-9 72828-78-5 104594-59-4
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. yellow coupler, for high-speed paper)

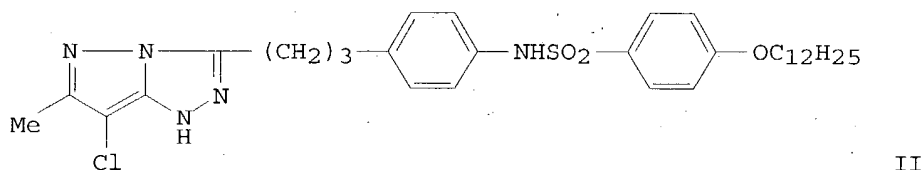
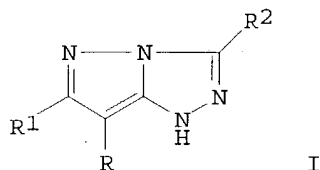
L40 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1986:562189 CAPLUS
 DOCUMENT NUMBER: 105:162189
 TITLE: **Silver halide color**
photographic photosensitive material
 INVENTOR(S): Oya, Yukio; Nonaka, Yoshiyuki; Matsuzaka, Masashi;
 Hirabayashi, Shigeto
 PATENT ASSIGNEE(S): Konishiroku Photo Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61080254	A2	19860423	JP 1984-202063	19840928
JP 05016581	B4	19930304		

PRIORITY APPLN. INFO.:
GI

JP 1984-202063

19840928



AB The title material is composed of a support bearing a blue-sensitive layer containing Ag halide grains with an average size of 0.20-0.55 μm and green-sensitive and red-sensitive emulsion layers having AgBr-contents of 5-65 mol%. The green-sensitive layer contains ≥ 1 of the pyrazolotriazole-type magenta coupler represented by the general formula I [R = halo or an organic group releasable on coupling reaction with an oxide developer; R1, R2 = H (either of R1, R2), alkyl, aryl, heterocyclic ring, acylamino, alkylamino, anilino, alkoxycarbonyl, alkylthio]. The material permits rapid development with stable performance and provides high-quality images with suppressed fog. Thus, a polyethylene-laminated paper support was coated in sequence with a blue-sensitive AgBr0.8Cl0.2 emulsion (average grain size 0.5 μm) containing a yellow coupler, a gelatin intermediate layer, a green-sensitive AgBr0.6Cl0.4 emulsion layer (average grain size 0.4 μm) containing magenta coupler II, a gelatin layer, a red-sensitive AgBr0.6Cl0.4 (average grain size, 0.4 μm) emulsion containing a cyan coupler, a UV-absorbing layer, and a gelatin protective layer to form a color **photog.** paper. The paper was wedge-exposed, developed, and bleach-fixed to give a color image. Fluctuation in the image contrast (especially for the green-sensitive layer) by varying the KBr content of the **developer** composition, which should be minimized for rapid running processing, was much smaller compared to materials employing emulsions and magenta couplers differing from the above composition

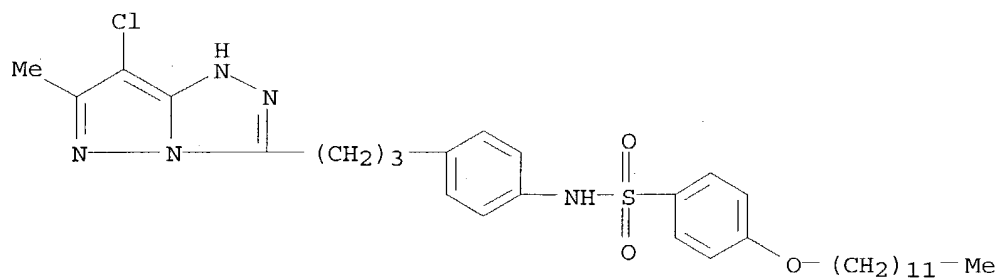
IT 98120-97-9 104446-30-2 104594-61-8

RL: USES (Uses)

(magenta coupler, for reduction of fluctuation in image contrast in **photog.** development)

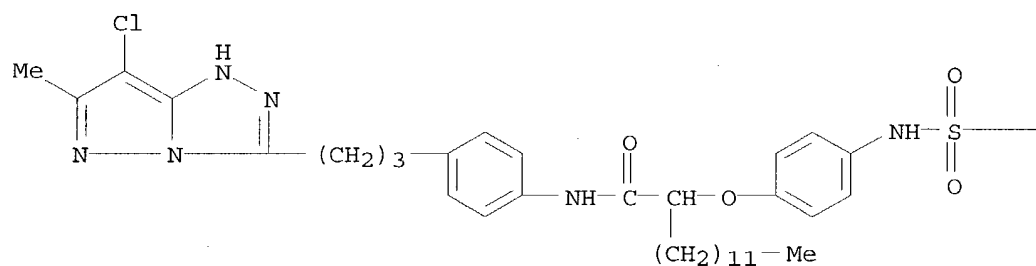
RN 98120-97-9 CAPLUS

CN Benzenesulfonamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]-4-(dodecyloxy)- (9CI) (CA INDEX NAME)



RN 104446-30-2 CAPLUS
 CN Tetradecanamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]-2-[4-[[(dimethylamino) sulfonyl] amino]phenoxy] - (9CI) (CA INDEX NAME)

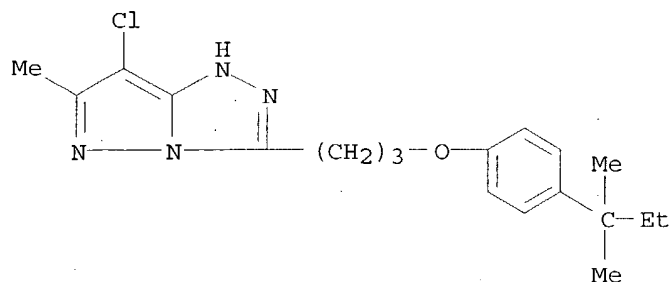
PAGE 1-A



PAGE 1-B

- NMe₂

RN 104594-61-8 CAPLUS
 CN 1H-Pyrazolo[5,1-c]-1,2,4-triazole, 7-chloro-3-[3-[4-(1,1-dimethylpropyl)phenoxy]propyl]-6-methyl- (9CI) (CA INDEX NAME)



IC ICM G03C007-26
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST magenta coupler color **photog** paper; pyrazolotriazole deriv
 magenta coupler; silver halide content stability development
 IT **Photographic** development
 (with reduced fluctuation in image contrast)
 IT **Photographic** couplers
 (magenta, pyrazolotriazole-type)
 IT 98120-97-9 104446-30-2 104594-61-8
 RL: USES (Uses)
 (magenta coupler, for reduction of fluctuation in image contrast in **photog.** development)

L40 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1986:562179 CAPLUS

DOCUMENT NUMBER: 105:162179

TITLE: **Silver halide color
 photosensitive materials**

INVENTOR(S): Koyakata, Nobuo; Sato, Tadahisa; Nakajo, Kiyoshi;
 Nakajo, Kyoshi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

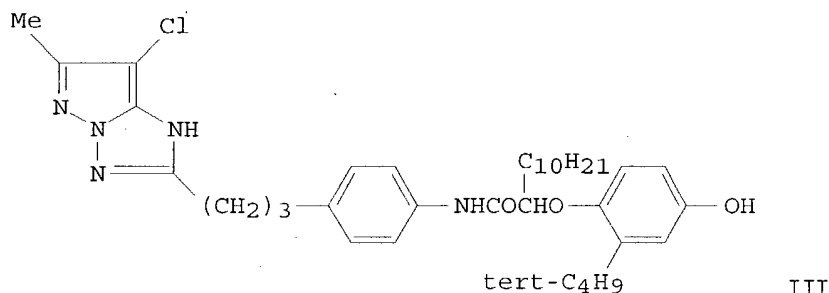
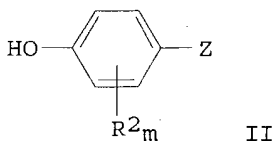
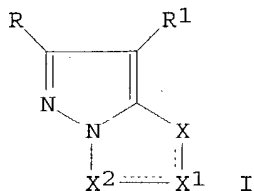
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61065248	A2	19860403	JP 1984-187315	19840907
US 131	H1	19860902	US 1985-773892	19850909
PRIORITY APPLN. INFO.:			JP 1984-187315	19840907

GI



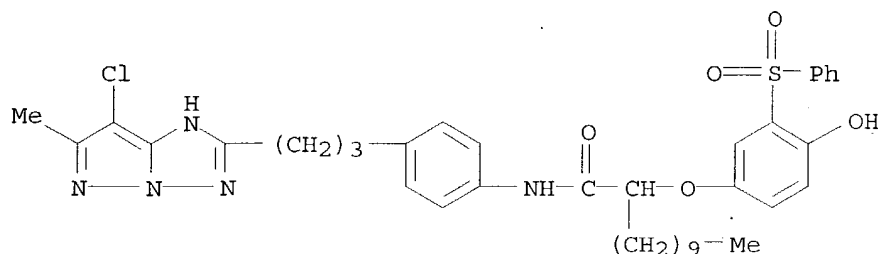
AB The title materials contain pyrazoloazole-type magenta couplers of the formula I having ≥ 1 group of the formula II [R = H, substituents; R1 = H, a group which can be released by a coupling reaction with an oxidized aromatic primary amine **developer**; X, X1, X2 = CH, N, NH; one of the XX1 and X1X2 bonds is a double bond and the other one is a single bond; when the X1X2 bond is C:C, it may contain a part of an aromatic ring; R, R1 or CH of X, X1, or X2 may form a dimer; when X2 = CH; X and X1 are neither N nor NH at the same time; R2 = H, halo, alkyl, aryl, heterocyclyl, OH, acyl, alkoxy, aryloxy, acylamino, sulfonamido, carbamoyl, sulfamoyl, ureido, alkoxy carbonyl, alkoxy carbonylamino, sulfonyl, alkylthio, arylthio, CN, NO2, CO2H; Z = O, S, CR3R4, CO, NR5; R3, R4 = H, alkyl, halo, aryl; R5 = H, alkyl, aryl, acyl, sulfonyl; m = 1-4; when m \geq 2, R3's may be different]. The materials show excellent color reproduction and give high image d. Thus, a **photosensitive** material prepared by using a Ag(Br,Cl) emulsion containing III gave magenta dye images having clear saturation, excellent sensitivity gradation, and maximum d.

IT 104593-20-6 104593-21-7

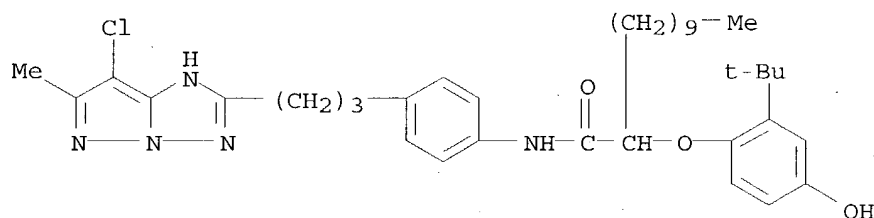
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** magenta coupler, for improved color reproduction and image d.)

RN 104593-20-6 CAPLUS

CN Dodecanamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]phenyl]-2-[4-hydroxy-3-(phenylsulfonyl)phenoxy]- (9CI) (CA INDEX NAME)



RN 104593-21-7 CAPLUS
 CN Dodecanamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl)propyl]phenyl]-2-[2-(1,1-dimethylethyl)-4-hydroxyphenoxy]-(9CI) (CA INDEX NAME)

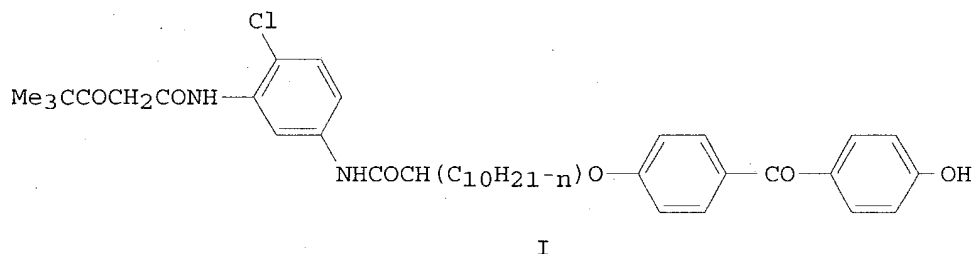


IC ICM G03C007-38
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST pyrazolotriazole magenta coupler color photog
 IT Photographic couplers
 (magenta, pyrazoloazole type, for improved color reproduction and image d.)
 IT 104593-20-6 104593-21-7
 RL: TEM (Technical or engineered material use); USES (Uses)
 (photog. magenta coupler, for improved color reproduction and image d.)

L40 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1985:103458 CAPLUS
 DOCUMENT NUMBER: 102:103458
 TITLE: Silver halide color
 photographic photosensitive
 materials
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 30 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 59177556	A2	19841008	JP 1983-52926	19830328
PRIORITY APPLN. INFO.:			JP 1983-52926	19830328
GI				



AB Ag halide color **photog. photosensitive** materials contain couplers having hydroxyphenylcarbonyl groups. The couplers exhibit excellent coloration characteristics, and hence the **photog** materials do not require presence of development promoters such as PhCH2OH in **developers**. Thus, a **photog.** test film prepared by using the yellow coupler I was sensitometrically exposed and developed to give yellow dye images with high Dmax and small Dmin regardless of the type of color **developers** used.

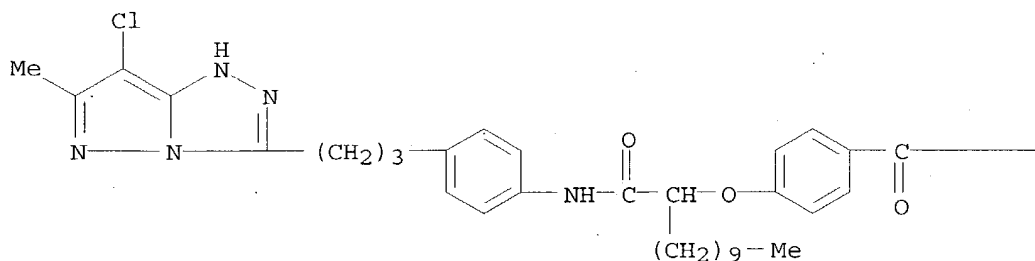
IT 94972-92-6

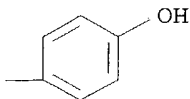
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** magenta coupler)

RN 94972-92-6 CAPLUS

CN Dodecanamide, N-[4-[3-(7-chloro-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]-2-[4-(4-hydroxybenzoyl)phenoxy]- (9CI) (CA INDEX NAME)

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- IC G03C007-32
- CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 41
- ST coupler **photog** ballast group hydroxybenzoyl
- IT **Photographic** couplers
(hydroxybenzoyl group-containing, coloration characteristics of)
- IT 94972-93-7 94972-94-8
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** cyan coupler)
- IT **94972-92-6**
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** magenta coupler)
- IT 94972-91-5
RL: TEM (Technical or engineered material use); USES (Uses)
(**photog.** yellow coupler)
- IT 94972-96-0P 94973-12-3P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and chlorination of)
- IT 94972-99-3P 94973-11-2P 94973-14-5P 94973-16-7P 94984-97-1P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrogenation-debenzylation of)
- IT 94973-09-8P 94973-13-4P 94973-15-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reaction of)
- IT 94972-97-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and reactions of)
- IT 94972-90-4P
RL: PREP (Preparation)
(preparation of, as **photog.** cyan coupler)
- IT 94972-89-1P 94984-95-9P
RL: PREP (Preparation)
(preparation of, as **photog.** magenta coupler)
- IT 94972-87-9P 94972-88-0P
RL: PREP (Preparation)
(preparation of, as **photog.** yellow coupler)
- IT 93608-64-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (benzyloxybenzoylphenoxydodecanamidochoroanilino) (tr

ichlorophenyl)pyrazolone)
 IT 90896-16-5 94972-95-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with Me bromododecanoate)
 IT 94973-10-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with benzyloxybenzoylphenoxydodecanamidoethanesulfonyl
 chloride)
 IT 107-35-7 91546-51-9 94972-98-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with benzyloxybenzoylphenoxydodecanoyl chloride)
 IT 617-60-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with benzyloxyhydroxybenzophenone)
 IT 53411-33-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactions of, with benzyloxybenzamidophenoxydodecanoyl chloride and
 benzyloxybenzoylphenoxydodecanoyl chloride)

L40 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1985:103456 CAPLUS

DOCUMENT NUMBER: 102:103456

TITLE: Silver halide color
 photographic photosensitive
 materials

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.
 CODEN: JKXXAF

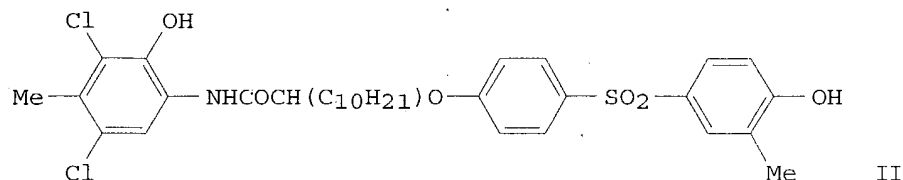
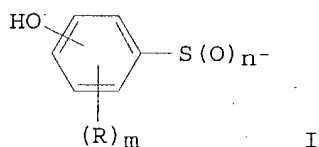
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 59177553	A2	19841008	JP 1983-52923	19830328
JP 02059970	B4	19901214		
US 4513082	A	19850423	US 1984-592995	19840323
PRIORITY APPLN. INFO.: GI			JP 1983-52923	19830328



AB Ag halide color **photog.** materials contain couplers with a ballast group I (R = halo, alkyl, aryl, heterocycle, OH, alkoxy, aryloxy, acrylamino, sulfonamino, carbamoyl, sulfamoyl, ureido, alkoxy carbonyl, alkoxy carbonylamino, sulfonyl, alkylthio, CN, NO₂, CO₂H; m = 1-4; n = 1,2). The **photog.** materials exhibits excellent coloration characteristics even when **developers** without coloration promoters (such as PhCH₂OH) are used. The film was sensitometrically exposed and developed to give cyan dye images having high D_{max} and γ-values regardless of the type of the color- **developer** used. Thus, a test **photog.** film was prepared by using a Ag(Br, Cl) **photog.** emulsion containing a cyan coupler II.

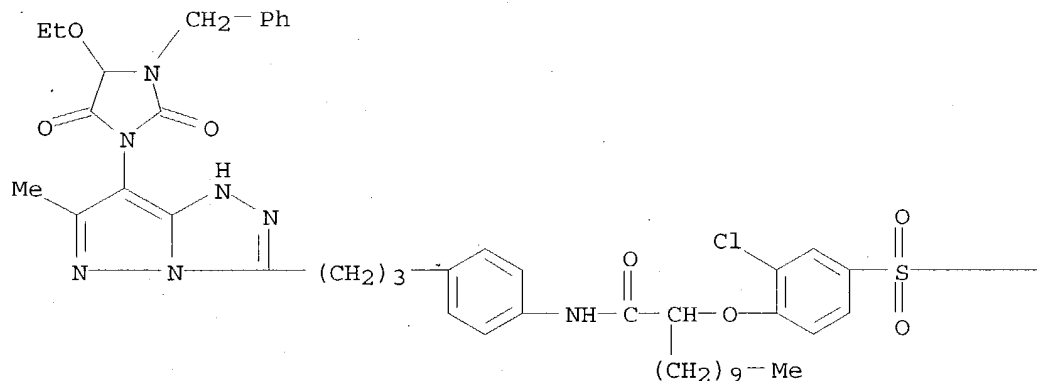
IT 95081-38-2P

RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrogenation-debenzylolation of)

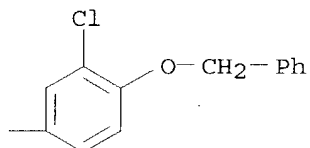
RN 95081-38-2 CAPLUS

CN Dodecanamide, 2-[2-chloro-4-[[3-chloro-4-(phenylmethoxy)phenyl]sulfonyl]phenoxy]-N-[4-[3-[7-(4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidinyl)-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

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IT 95081-40-6P

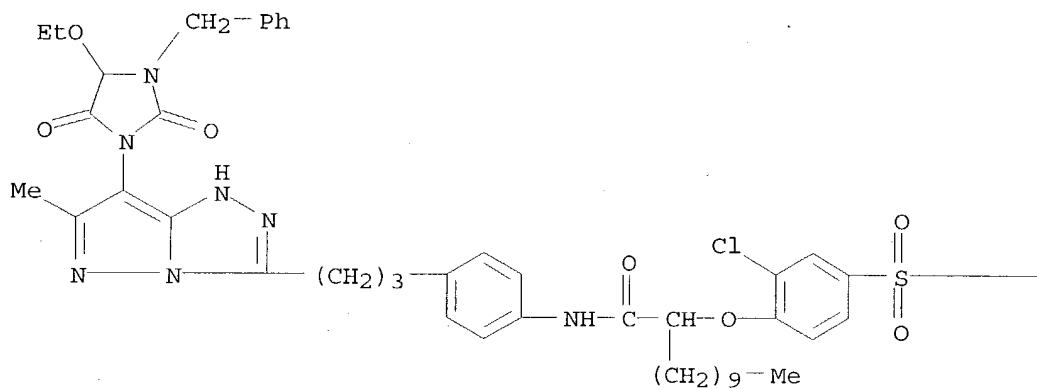
RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of, as photog. coupler)

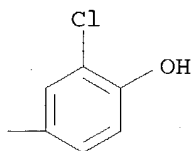
RN 95081-40-6 CAPLUS

CN Dodecanamide, 2-[2-chloro-4-[(3-chloro-4-hydroxyphenyl)sulfonyl]phenoxy]-N-[4-[3-[7-[4-ethoxy-2,5-dioxo-3-(phenylmethyl)-1-imidazolidinyl]-6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl]propyl]phenyl]- (9CI) (CA INDEX NAME)

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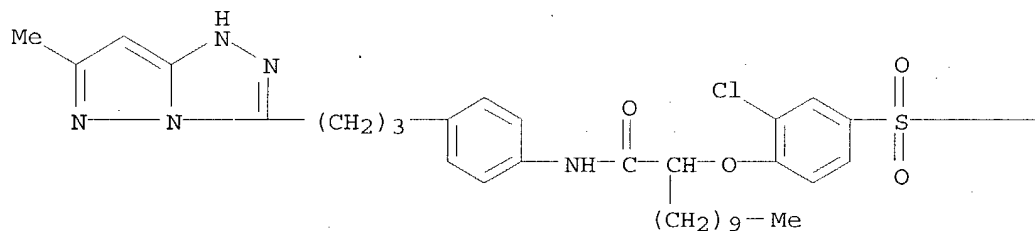
IT 95056-69-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. and bromination of)

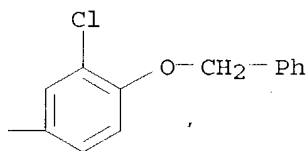
RN 95056-69-2 CAPLUS

CN Dodecanamide, 2-[2-chloro-4-[[3-chloro-4-(phenylmethoxy)phenyl]sulfonyl]phenoxy]-N-[4-[3-(6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]phenyl]- (9CI) (CA INDEX NAME)

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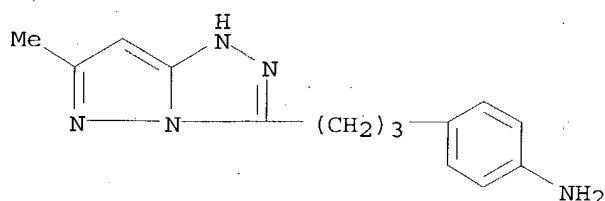


IT 87001-37-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with benzyloxychlorophenylsulfonylchlorophenoxydeodecanoyl chloride)

RN 87001-37-4 CAPLUS

CN Benzenamine, 4-[3-(6-methyl-1H-pyrazolo[5,1-c]-1,2,4-triazol-3-yl)propyl]- (9CI) (CA INDEX NAME)



- IC G03C007-32
 CC 74-2 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 ST coupler **photog** ballast group; hydroxyphenylsulfonyl ballast group coupler; hydroxyphenylsulfinyl ballast group coupler
 IT **Photographic** couplers
 (ballast groups of, hydroxyphenylsulfinyl or hydroxyphenylsulfonyl as, coloration characteristics in relation to)
 IT 74918-54-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hydrogenation of)
 IT 46947-87-9
 RL: USES (Uses)
 (monetherification of)
 IT 95056-76-1 95056-77-2 95056-78-3 95056-79-4 95056-80-7
 95056-81-8 95056-82-9 95056-83-0
 RL: TEM (Technical or engineered material use); USES (Uses)
 (**photog.** coupler)
 IT 95056-73-8P
 RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and chlorination of)
 IT 95056-68-1P 95056-71-6P 95081-37-1P **95081-38-2P**
 RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrogenation-debenzylation of)
 IT 95056-74-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and hydrolysis of)
 IT 74918-55-1P 95056-75-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction of)
 IT 95056-84-1P 95056-85-2P 95081-39-3P **95081-40-6P**
 RL: TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (preparation of, as **photog.** coupler)
 IT 95056-72-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. and reaction of)
 IT **95056-69-2**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (prepn. and bromination of)
 IT 53411-33-9 **87001-37-4** 91546-51-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with benzyloxychlorophenylsulfonylchlorophenoxydeodecanoyl chloride)

IT 65855-02-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with brominated methyl(benzyloxychlorophenylsulfonylchlorophenoxydodecaneamidophenylpropyl)pyrazoletriazole)

IT 617-60-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with dichlorohydroxybenzyloxydiphenyl sulfone)

IT 95056-70-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with pivaloyl(dimethyldioxooxaziny)chloroaminoacetanilide)

=>